

→ All files  
 & Auto (due to X X X's - too low of %)

GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:15:19 ; Search time 35 Seconds  
 (without alignments)  
 41.879 Million cell updates/sec

Title: AUDET-909164-5

Perfect score: 31

Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX

Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%

Maximum Match 11%

Listing first 45 summaries

Database : A\_Geneseq\_101002.\*  
 1: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1980.DAT.\*  
 2: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1981.DAT.\*  
 3: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1982.DAT.\*  
 4: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1983.DAT.\*  
 5: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1984.DAT.\*  
 6: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1985.DAT.\*  
 7: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1986.DAT.\*  
 8: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1987.DAT.\*  
 9: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1988.DAT.\*  
 10: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1989.DAT.\*  
 11: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1990.DAT.\*  
 12: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1991.DAT.\*  
 13: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1992.DAT.\*  
 14: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1993.DAT.\*  
 15: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1994.DAT.\*  
 16: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1995.DAT.\*  
 17: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1996.DAT.\*  
 18: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1997.DAT.\*  
 19: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1998.DAT.\*  
 20: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1999.DAT.\*  
 21: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2000.DAT.\*  
 22: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2001.DAT.\*  
 23: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.\*

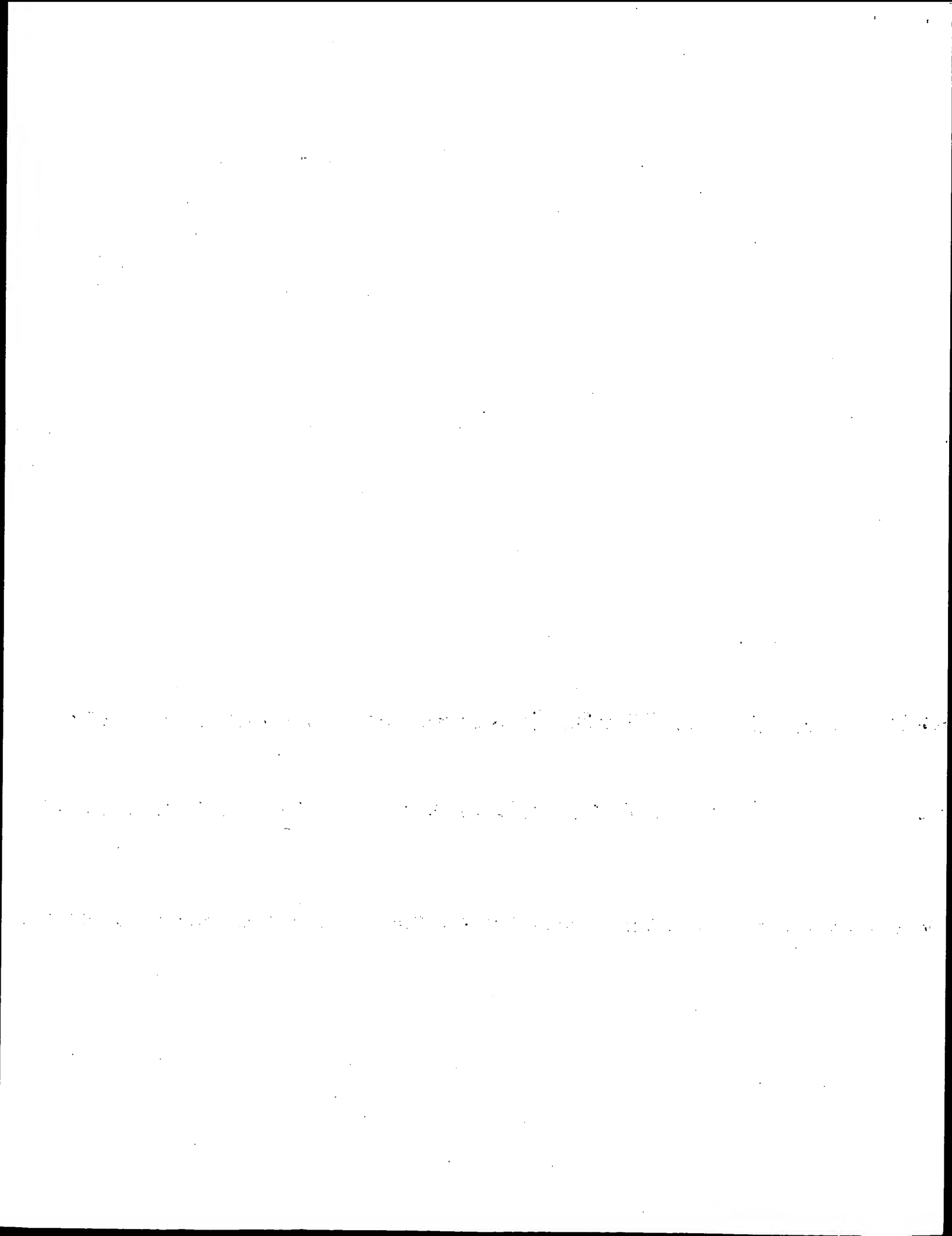
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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No matches found

Search completed: May 29, 2003, 09:20:35  
 Job time : 35 secs





GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:19:59 ; Search time 26 Seconds  
(without alignments)  
12.448 Million cell updates/sec ;

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : Issued Patents\_AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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No matches found

Search completed: May 29, 2003, 09:22:24  
Job time : 26 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:21:35 ; Search time 45 seconds  
(without alignments)  
24.744 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 101223694 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
2: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
10: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	Query	%	Score	Match	Length	DB	ID	Description
--------	-------	---	-------	-------	--------	----	----	-------------

No matches found

Search completed: May 29, 2003, 09:30:06  
Job time : 45 secs



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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:20:40 : Search time 306 Seconds  
(without alignments)  
23.177 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpvxxxxxx ll

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_Main.\*  
1: /cgn2\_6/ptodata/1/paa/PCTUS\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/paa/US06\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/paa/US07\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/paa/US080\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/paa/US081\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/paa/US082\_COMB.pep.\*  
7: /cgn2\_6/ptodata/1/paa/US083\_COMB.pep.\*  
8: /cgn2\_6/ptodata/1/paa/US084\_COMB.pep.\*  
9: /cgn2\_6/ptodata/1/paa/US085\_COMB.pep.\*  
10: /cgn2\_6/ptodata/1/paa/US086\_COMB.pep.\*  
11: /cgn2\_6/ptodata/1/paa/US087\_COMB.pep.\*  
12: /cgn2\_6/ptodata/1/paa/US088\_COMB.pep.\*  
13: /cgn2\_6/ptodata/1/paa/US089\_COMB.pep.\*  
14: /cgn2\_6/ptodata/1/paa/US090\_COMB.pep.\*  
15: /cgn2\_6/ptodata/1/paa/US091\_COMB.pep.\*  
16: /cgn2\_6/ptodata/1/paa/US092\_COMB.pep.\*  
17: /cgn2\_6/ptodata/1/paa/US093\_COMB.pep.\*  
18: /cgn2\_6/ptodata/1/paa/US094\_COMB.pep.\*  
19: /cgn2\_6/ptodata/1/paa/US095\_COMB.pep.\*  
20: /cgn2\_6/ptodata/1/paa/US096\_COMB.pep.\*  
21: /cgn2\_6/ptodata/1/paa/US097\_COMB.pep.\*  
22: /cgn2\_6/ptodata/1/paa/US098\_COMB.pep.\*  
23: /cgn2\_6/ptodata/1/paa/US099\_COMB.pep.\*  
24: /cgn2\_6/ptodata/1/paa/US100\_COMB.pep.\*  
25: /cgn2\_6/ptodata/1/paa/US101\_COMB.pep.\*  
26: /cgn2\_6/ptodata/1/paa/US102\_COMB.pep.\*  
27: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Query Score	Match Length	DB ID	Description
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No matches found

Search completed: May 29, 2003, 09:27:38  
Job time : 306 secs



GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:21:00 ; Search time 88 Seconds  
(without alignments)  
25.875 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 995812 seqs, 207002235 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : Pending\_Patents\_AA\_New:\*  
1: /cgn2\_6/ptodata/2/paa/PCT\_NEW\_COMB.pep:\*  
2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pep:\*  
7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
-----						

No matches found

Search completed: May 29, 2003, 09:29:14  
Job time : 88 secs





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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:19:09 ; Search time 16 Seconds  
(without alignments)  
56.092 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : PIR\_73:\*  
1: pir1:\*  
2: pir2:\*  
3: pir3:\*  
4: pir4:\*

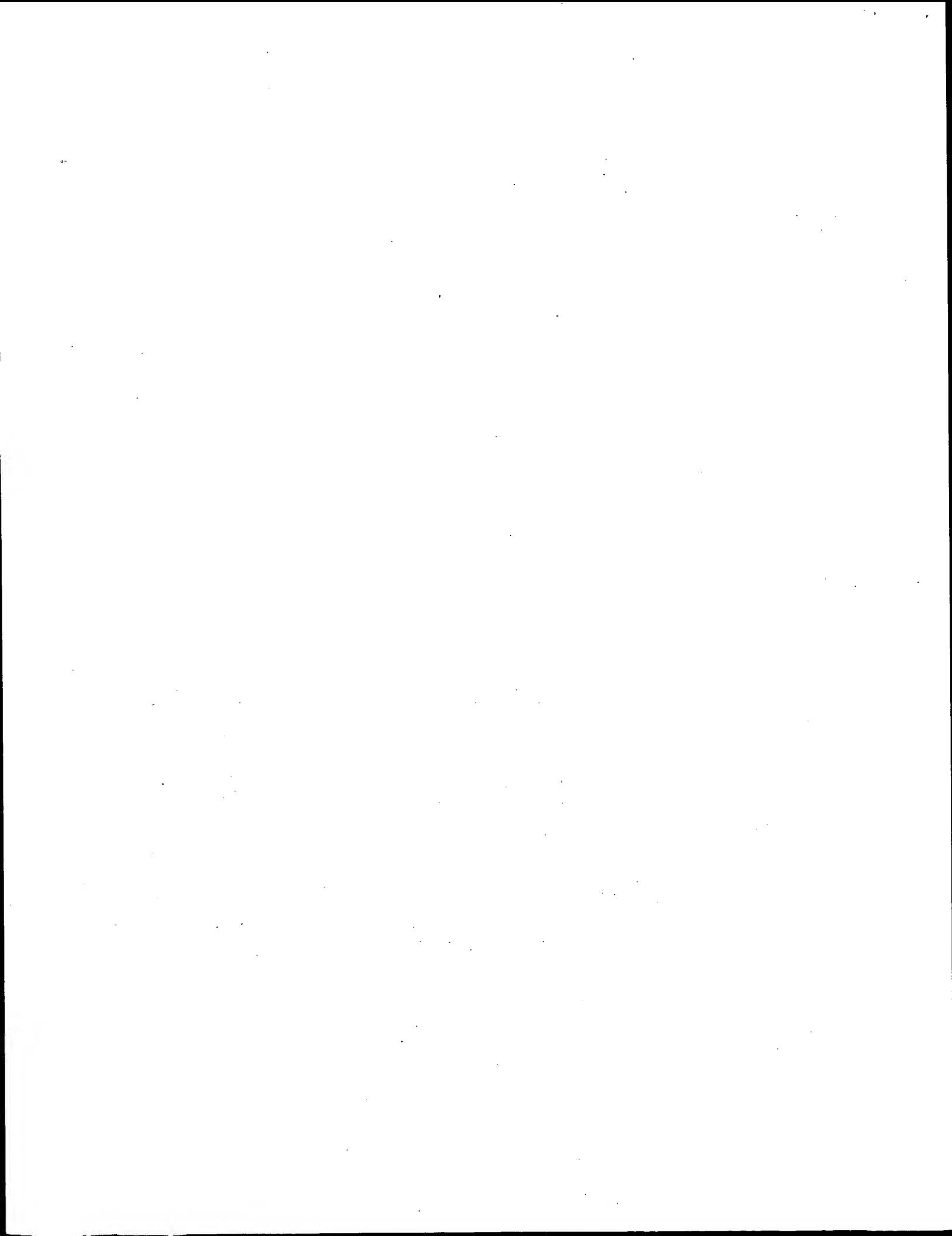
Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	Query				
No.	Score	Match	Length	ID	Description

-----  
No matches found

Search completed: May 29, 2003, 09:21:50  
Job time : 16 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:15:54 ; Search time 11 Seconds  
(without alignments)  
41.476 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 112892 seqs, 41476328 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : SwissProt\_40:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
-----						

No matches found

Search completed: May 29, 2003, 09:20:52  
Job time : 11 secs



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OM protein - protein search, using sw model

Run on: May 29, 2003, 09:18:04 ; Search time 29 Seconds  
(without alignments)  
78.156 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 671580 seqs, 206047115 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 11%  
Maximum Match 11%  
Listing first 45 summaries

Database : SPTREMBL\_21:\*  
1: sp\_archaea:\*  
2: sp\_bacteria:\*  
3: sp\_fungi:\*  
4: sp\_human:\*  
5: sp\_invertebrate:\*  
6: sp\_mammal:\*  
7: sp\_mhc:\*  
8: sp\_organelle:\*  
9: sp\_phage:\*  
10: sp\_plant:\*  
11: sp\_rodent:\*  
12: sp\_virus:\*  
13: sp\_vertebrate:\*  
14: sp\_unclassified:\*  
15: sp\_rvirus:\*  
16: sp\_bacteriap:\*  
17: sp\_archaeap:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
-----						
No matches found						

Search completed: May 29, 2003, 09:21:28  
Job time : 29 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:13:02 ; Search time 34 Seconds  
(without alignments)  
43.110 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table:  
BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : A\_Geneseq\_101002.\*

- 1: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1980.DAT.\*  
2: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1981.DAT.\*  
3: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1982.DAT.\*  
4: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1983.DAT.\*  
5: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1984.DAT.\*  
6: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1985.DAT.\*  
7: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1986.DAT.\*  
8: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1987.DAT.\*  
9: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1988.DAT.\*  
10: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1989.DAT.\*  
11: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1990.DAT.\*  
12: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1991.DAT.\*  
13: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1992.DAT.\*  
14: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1993.DAT.\*  
15: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1994.DAT.\*  
16: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1995.DAT.\*  
17: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1996.DAT.\*  
18: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1997.DAT.\*  
19: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1998.DAT.\*  
20: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA1999.DAT.\*  
21: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2000.DAT.\*  
22: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2001.DAT.\*  
23: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	100.0	11	23	ABB80521
2	31	100.0	11	23	ABB80522
3	31	100.0	11	23	ABB80523
4	31	100.0	11	23	ABB80524
5	31	100.0	11	23	ABB80525
6	31	100.0	11	23	ABB80526
7	31	100.0	11	23	ABB80527
8	31	100.0	11	23	ABB80528
9	31	100.0	11	23	ABB80529
10	31	100.0	11	23	ABB80530

LENGTH

11	100.0	11	23	ABB80531	Hepatitis C virus
12	100.0	11	23	ABB80532	Hepatitis C virus
13	100.0	11	23	ABB80533	Hepatitis C virus
14	100.0	11	23	ABB80534	Hepatitis C virus
15	100.0	11	23	ABB80535	Hepatitis C virus
16	100.0	11	23	ABB80536	Hepatitis C virus
17	100.0	11	23	ABB80537	Hepatitis C virus
18	100.0	11	23	ABB80538	Hepatitis C virus
19	100.0	11	23	ABB80539	Hepatitis C virus
20	100.0	11	23	ABB80540	Hepatitis C virus
21	100.0	11	23	ABB80541	Hepatitis C virus
22	100.0	11	23	ABB80542	Hepatitis C virus
23	100.0	11	23	ABB80543	Hepatitis C virus
24	100.0	11	23	ABB80544	Hepatitis C virus
25	100.0	11	23	ABB80545	Hepatitis C virus
26	100.0	11	23	ABB80546	Hepatitis C virus
27	100.0	11	23	ABB80547	Hepatitis C virus
28	100.0	11	23	ABB80548	Hepatitis C virus
29	100.0	11	23	ABB80549	Hepatitis C virus
30	100.0	11	23	ABB80550	Hepatitis C virus
31	100.0	11	23	ABB80551	Hepatitis C virus
32	100.0	11	23	ABB80552	Hepatitis C virus
33	100.0	11	23	ABB80553	Hepatitis C virus
34	100.0	11	23	ABB80554	Hepatitis C virus
35	100.0	11	23	ABB80555	Hepatitis C virus
36	100.0	11	23	ABB80556	Hepatitis C virus
37	100.0	11	23	ABB80557	Hepatitis C virus
38	100.0	11	23	ABB80558	Hepatitis C virus
39	100.0	11	23	ABB80559	Hepatitis C virus
40	100.0	11	23	ABB80560	Hepatitis C virus
41	100.0	11	23	ABB80561	Hepatitis C virus
42	100.0	11	23	ABB80562	Hepatitis C virus
43	100.0	11	23	ABB80563	Hepatitis C virus
44	100.0	11	23	ABB80564	Hepatitis C virus
45	100.0	11	23	ABB80565	Hepatitis C virus
46	100.0	11	23	ABB80566	Hepatitis C virus
47	100.0	11	23	ABB80567	Hepatitis C virus
48	100.0	11	23	ABB80568	Hepatitis C virus

ALIGNMENTS

RESULT 1

ABB80521  
ID ABB80521 standard; peptide; 11 AA.

XX ABB80521;

AC 08-OCT-2002 (first entry)

DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #1.

DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide; virucide.

KW Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "N-terminal acetyl"

FT Modified-site 11 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"

FT Modified-site 11 /note= "C-terminal amide"

PN WO200208251-A2.

XX 31-JAN-2002.

PD 19-JUL-2001; 2001WO-US23169.

XX

XX

XX

XX

ONLY APP.  
CAME UP

48  
HITS

PR 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 64; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db | | | | | : : : : :  
1 EEVVPXGMSYS 11  
RESULT 2  
ABB80522  
ID ABB80522 standard; peptide; 11 AA.  
AC ABB80522;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #2.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX  
XX Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
XX WO200208251-A2.  
XX  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX

APP.

PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
XX virus protease -  
XX Claim 17; Page 64; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db | | | | | : : : : :  
1 EEVVPXGMSYS 11  
RESULT 3  
ABB80523  
ID ABB80523 standard; peptide; 11 AA.  
XX  
XX ABB80523;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #3.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX  
XX Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
XX WO200208251-A2.  
XX  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 64; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX



CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 DB 1 EEVVPXGMHYS 11

RESULT 4  
 ABB80524  
 ID ABB80524 standard; peptide; 11 AA.  
 XX  
 AC ABB80524;

XX 08-OCT-2002 (first entry)  
 XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #4.  
 XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 KW  
 OS Synthetic.

XX Key Location/Qualifiers  
 FH Modified-site 1  
 FT /note= "N-terminal acetyl"  
 FT Modified-site 6  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 9  
 FT /note= "D-form residue"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"

WO200208251-A2.  
 31-JAN-2002.

19-JUL-2001; 2001WO-US23169.

21-JUL-2000; 2000US-220101P.

(CORV-) CORVAS INT INC.

Lim-wilby M, Levy OE, Brunck TK;

WPI; 2002-361643/39.

Novel peptide compound having hepatitis C virus protease inhibitory  
 activity useful for treating disorders associated with hepatitis C  
 virus protease -

Claim 17; Page 64; 69pp; English.

The sequence represents a peptide compound of the invention having  
 hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 invention are alpha-ketoamide peptide analogues. The peptides have  
 virucide activity, and are useful for treating and in the manufacture of  
 a medicament to treat disorders associated with HCV protease. A  
 pharmaceutical composition comprising the peptide as an active ingredient  
 is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 DB 1 EEVVPXGMDYS 11

RESULT 5  
 ABB80525  
 ID ABB80525 standard; peptide; 11 AA.  
 XX  
 AC ABB80525;

XX 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #5.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.

XX Synthetic.

XX Key Location/Qualifiers  
 FH Modified-site 1  
 FT /note= "N-terminal acetyl"  
 FT Modified-site 6  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8  
 FT /note= "D-form residue"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"

WO200208251-A2.

31-JAN-2002.

19-JUL-2001; 2001WO-US23169.

21-JUL-2000; 2000US-220101P.

(CORV-) CORVAS INT INC.

Lim-wilby M, Levy OE, Brunck TK;

WPI; 2002-361643/39.

Novel peptide compound having hepatitis C virus protease inhibitory  
 activity useful for treating disorders associated with hepatitis C  
 virus protease -

Claim 17; Page 64; 69pp; English.

The sequence represents a peptide compound of the invention having  
 hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 invention are alpha-ketoamide peptide analogues. The peptides have  
 virucide activity, and are useful for treating and in the manufacture of  
 a medicament to treat disorders associated with HCV protease. A  
 pharmaceutical composition comprising the peptide as an active ingredient  
 is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 DB 1 EEVVPXGMSYS 11

## RESULT 6

ABB80526  
ID ABB80526 standard; peptide; 11 AA.

XX AC ABB80526;  
XX

DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #6.

DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX

OS Synthetic.

FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT residue 7"

FT Misc-difference 8

FT /note= "D-form residue"

FT Misc-difference 9

FT /note= "D-form residue"

FT Modified-site 11

FT /note= "C-terminal amide"

XX WO200208251-A2.

PN 31-JAN-2002.

PD 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

PR (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

PI WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX Claim 17; Page 64; 69pp; English.

PS The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11

DB 1 EEVVPXGMSYS 11

## RESULT 7

ABB80527

ID ABB80527 standard; peptide; 11 AA.

XX AC ABB80527;

XX

DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #7.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.

XX Synthetic.

OS Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT residue 7"

FT Misc-difference 8

FT /note= "D-form residue"

FT Modified-site 11

FT /note= "C-terminal amide"

XX WO200208251-A2.

PN 31-JAN-2002.

PD 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

PR (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

PI WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX Claim 17; Page 64; 69pp; English.

PS The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11

DB 1 EEVVPXGMSYS 11

## RESULT 8

ABB80528

ID ABB80528 standard; peptide; 11 AA.

XX AC ABB80528;

XX 08-OCT-2002 (first entry)

DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #8.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX

```

OS Synthetic.
XX Key Location/Qualifiers
FH Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 7" residue 7"
FT Misc-difference 8 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX WO200208251-A2.
PN 31-JAN-2002.
XX 19-JUL-2001; 2001WO-US23169.
XX 21-JUL-2000; 2000US-220101P.
XX (CORV-) CORVAS INT INC.
XX Lim-wilby M, Levy OE, Brunck TK;
XX WPI; 2002-361643/39.
XX Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX Claim 17; Page 64; 69pp; English.
XX The sequence represents a peptide compound of the invention having
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX Sequence 11 AA;
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1 EEVVPXXXXXX 11
XX |||||:
XX 1 EEVVPXGMDYS 11
XX
XX RESULT 9
XX ID ABB80529 standard; peptide; 11 AA.
XX AC ABB80529;
XX 08-OCT-2002 (first entry)
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #9.
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX Synthetic.
XX Key Location/Qualifiers
FH Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 7" residue 7"
XX WO200208251-A2.
PN 31-JAN-2002.
XX 19-JUL-2001; 2001WO-US23169.
XX 21-JUL-2000; 2000US-220101P.
XX (CORV-) CORVAS INT INC.
XX Lim-wilby M, Levy OE, Brunck TK;
XX WPI; 2002-361643/39.
XX Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX Claim 17; Page 64; 69pp; English.
XX The sequence represents a peptide compound of the invention having
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX Sequence 11 AA;
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1 EEVVPXXXXXX 11
XX |||||:
XX 1 EEVVPXGMDYS 11
XX
XX RESULT 9
XX ID ABB80529 standard; peptide; 11 AA.
XX AC ABB80529;
XX 08-OCT-2002 (first entry)
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #9.
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX Synthetic.
XX Key Location/Qualifiers
FH Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 7" residue 7"
XX WO200208251-A2.
PN 31-JAN-2002.

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FT Misc-difference 8 /note= "D-form residue"
FT Misc-difference 9 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX WO200208251-A2.
PN 31-JAN-2002.
XX 19-JUL-2001; 2001WO-US23169.
XX 21-JUL-2000; 2000US-220101P.
XX (CORV-) CORVAS INT INC.
XX Lim-wilby M, Levy OE, Brunck TK;
XX WPI; 2002-361643/39.
XX Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX Claim 17; Page 64; 69pp; English.
XX The sequence represents a peptide compound of the invention having
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX Sequence 11 AA;
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX 1 EEVVPXXXXXX 11
XX |||||:
XX 1 EEVVPXGMDYS 11
XX
XX RESULT 10
XX ID ABB80530 standard; peptide; 11 AA.
XX AC ABB80530;
XX 08-OCT-2002 (first entry)
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #10.
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX Synthetic.
XX Key Location/Qualifiers
FH Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 7" residue 7"
XX WO200208251-A2.
PN 31-JAN-2002.

```



CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 1 EEVVPXGGHYS 11

## RESULT 13

ABB80533  
 ID ABB80533 standard; peptide; 11 AA.

XX  
 AC ABB80533;

DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #13.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 1 EEVVPXGGDYS 11

## RESULT 14

ABB80534  
 ID ABB80534 standard; peptide; 11 AA.

XX  
 AC ABB80534;

DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #14.

XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.

XX Synthetic.

XX Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.  
 XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:|:~|:~|:  
 Db 1 EEVVPXGGDYS 11

RESULT 15  
ABB80535  
ID ABB80535 standard; peptide; 11 AA.  
XX AC ABB80535;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #15.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"  
XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX FT Modified-site 11 residue 7"  
XX FT /note= "C-terminal amide"  
XX PN WO200208251-A2.  
XX PD 31-JAN-2002.  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX PR 21-JUL-2000; 2000US-220101P.  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
XX CC activity useful for treating disorders associated with hepatitis C  
XX CC virus protease -  
XX PS Claim 17; Page 64; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGQSYS 11  
RESULT 16  
ABB80536  
ID ABB80536 standard; peptide; 11 AA.  
XX AC ABB80536;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #16.

KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"  
XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX FT Misc-difference 9 residue 7"  
XX FT /note= "D-form residue"  
XX FT Modified-site 11 /note= "C-terminal amide"  
XX PN WO200208251-A2.  
XX PD 31-JAN-2002.  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX PR 21-JUL-2000; 2000US-220101P.  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
XX CC activity useful for treating disorders associated with hepatitis C  
XX CC virus protease -  
XX PS Claim 17; Page 64; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGQSYS 11  
RESULT 17  
ABB80537  
ID ABB80537 standard; peptide; 11 AA.  
XX AC ABB80537;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #17.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
XX FT Modified-site 1 /note= "N-terminal acetyl"



PA (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:  
Db 1 EEVVPXGQSYS 11  
|||||:  
RESULT 20  
ABB80540  
ID ABB80540 standard; peptide; 11 AA.  
XX  
AC ABB80540;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #20.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
FT  
FT Misc-difference 8  
FT  
FT Misc-difference 9 /note= "D-form residue"  
FT  
FT Misc-difference 11 /note= "D-form residue"  
FT  
FT Modified-site 11 /note= "C-terminal amide"  
FT  
FT  
FT WO200208251-A2.  
FT  
FT  
FT 31-JAN-2002.  
FT  
FT 19-JUL-2001; 2001WO-US23169.  
FT  
FT 21-JUL-2000; 2000US-220101P.  
FT  
FT (CORV-) CORVAS INT INC.  
FT  
FT Lim-wilby M, Levy OE, Brunck TK;  
FT WPI; 2002-361643/39.  
XX

PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:  
Db 1 EEVVPXGQSYS 11  
|||||:  
RESULT 21  
ABB80541  
ID ABB80541 standard; peptide; 11 AA.  
XX  
AC ABB80541;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #21.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
FT  
FT Misc-difference 8  
FT  
FT Misc-difference 11 /note= "D-form residue"  
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FT Modified-site 11 /note= "C-terminal amide"  
FT  
FT WO200208251-A2.  
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FT 31-JAN-2002.  
FT  
FT 19-JUL-2001; 2001WO-US23169.  
FT  
FT 21-JUL-2000; 2000US-220101P.  
FT  
FT (CORV-) CORVAS INT INC.  
FT  
FT Lim-wilby M, Levy OE, Brunck TK;  
FT WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the





Db 1 EEVVPXGQDYS 11

RESULT 24  
ABB80544  
ID ABB80544 standard; peptide; 11 AA.  
XX  
AC ABB80544;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #24.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
XX  
WO200208251-A2.  
XX  
31-JAN-2002.  
XX  
19-JUL-2001; 2001WO-US23169.  
XX  
21-JUL-2000; 2000US-220101P.  
XX  
(CORV-) CORVAS INT INC.  
XX  
Lim-wilby M, Levy OE, Brunck TK;  
XX  
WPI; 2002-361643/39.  
XX  
Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
Claim 17; Page 65; 69pp; English.  
XX  
The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:;  
Db 1 EEVVPXGTSYS 11

RESULT 25  
ABB80545  
ID ABB80545 standard; peptide; 11 AA.  
XX  
AC ABB80545;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #26.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX

XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #25.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
XX  
WO200208251-A2.  
XX  
31-JAN-2002.  
XX  
19-JUL-2001; 2001WO-US23169.  
XX  
21-JUL-2000; 2000US-220101P.  
XX  
(CORV-) CORVAS INT INC.  
XX  
Lim-wilby M, Levy OE, Brunck TK;  
XX  
WPI; 2002-361643/39.  
XX  
Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
Claim 17; Page 65; 69pp; English.  
XX  
The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:;  
Db 1 EEVVPXGTSYS 11

RESULT 26  
ABB80546  
ID ABB80546 standard; peptide; 11 AA.  
XX  
AC ABB80546;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #26.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX

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FH Key Modified-site Location/Qualifiers
FT Modified-site 1
FT Modified-site 6 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 11 residue 7"
FT Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
XX Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||:
XX Db 1 EEVVPXGTHYS 11
XX
XX RESULT 27
XX ABB80547
XX ID ABB80547 standard; peptide; 11 AA.
XX
XX AC ABB80547;
XX
XX 08-OCT-2002 (first entry)
XX
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #27.
XX
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX
XX Synthetic.
XX
XX Key Location/Qualifiers
XX Modified-site 1 /note= "N-terminal acetyl"
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX Modified-site 11 residue 7"
XX Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
XX Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||:
XX Db 1 EEVVPXGTHYS 11
XX
XX RESULT 28
XX ABB80548
XX ID ABB80548 standard; peptide; 11 AA.
XX
XX AC ABB80548;
XX
XX 08-OCT-2002 (first entry)
XX
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #28.
XX
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX
XX Synthetic.
XX
XX Key Location/Qualifiers
XX Modified-site 1 /note= "N-terminal acetyl"
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX Modified-site 11 residue 7"
XX Misc-difference 9 /note= "D-form residue"
XX Modified-site 11 /note= "C-terminal amide"
XX
XX WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX PN

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XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX PS Claim 17; Page 65; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:  
Db 1 EEVVPXGTDYS 11  
RESULT 29  
ABB80549  
ID ABB80549 standard; peptide; 11 AA.  
XX AC ABB80549;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #29.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "N-terminal acetyl"  
FT Misc-difference 9 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX PS Claim 17; Page 65; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:  
Db 1 EEVVPXGSSYS 11  
RESULT 30  
ABB80550  
ID ABB80550 standard; peptide; 11 AA.  
XX AC ABB80550;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #30.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "N-terminal acetyl"  
FT Misc-difference 9 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX PS Claim 17; Page 65; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 1 EEVVPXGSHYS 11

RESULT 31

ABB80551

ID ABB80551 standard; peptide; 11 AA.

XX

AC ABB80551;

XX

DT 08-OCT-2002 (first entry)

XX

DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #31.

XX

KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

KW virucide.

XX

OS Synthetic.

XX

FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT residue 7"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

FT

XX WO200208251-A2.

PN

XX 31-JAN-2002.

XX

PF 19-JUL-2001; 2001WO-US23169.

XX

PR 21-JUL-2000; 2000US-220101P.

XX

PA (CORV-) CORVAS INT INC.

XX

PI Lim-wilby M, Levy OE, Brunck TK;

XX

DR WPI; 2002-361643/39.

XX

CC Novel peptide compound having hepatitis C virus protease inhibitory

CC activity useful for treating disorders associated with hepatitis C

CC virus protease

XX

PS Claim 17; Page 65; 69pp; English.

XX

CC The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

CC invention are alpha-ketoamide peptide analogues. The peptides have

CC virucide activity, and are useful for treating and in the manufacture of

CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.

XX

SQ Sequence 11 AA;

Query Match

Best Local Similarity 100.0%; Score 31; DB 23; Length 11;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 1 EEVVPXGSDYS 11

RESULT 32

ABB80552

ID ABB80552 standard; peptide; 11 AA.

XX

AC ABB80552;

XX

DT 08-OCT-2002 (first entry)

XX

DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #32.

XX

KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

KW virucide.

XX

OS Synthetic.

XX

FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

FT

XX WO200208251-A2.

PN

XX 31-JAN-2002.

XX

PF 19-JUL-2001; 2001WO-US23169.

XX

PR 21-JUL-2000; 2000US-220101P.

XX

PA (CORV-) CORVAS INT INC.

XX

PI Lim-wilby M, Levy OE, Brunck TK;

XX

DR WPI; 2002-361643/39.

XX

PT Novel peptide compound having hepatitis C virus protease inhibitory

PT activity useful for treating disorders associated with hepatitis C

PT virus protease

XX

PS Claim 17; Page 65; 69pp; English.

XX

CC The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

CC invention are alpha-ketoamide peptide analogues. The peptides have

CC virucide activity, and are useful for treating and in the manufacture of

CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.

XX

SQ Sequence 11 AA;

Query Match

Best Local Similarity 100.0%; Score 31; DB 23; Length 11;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 1 EEVVPXGSSYS 11

RESULT 33

ABB80553

DE	Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #34.
XX	
KW	Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
KW	virucide.
XX	
OS	Synthetic.
XX	
FH	Key
FT	Location/Qualifiers
FT	Modified-site 1
FT	/note= "N-terminal acetyl"
FT	Modified-site 6
FT	/note= "Norvalyl carbonyl forming keto-amide linkage with
FT	residue 7"
FT	Misc-difference 8
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FT	Modified-site 11
FT	/note= "C-terminal amide"
XX	
PN	WO200208251-A2.
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PD	31-JAN-2002.
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XX	19-JUL-2001; 2001WO-US23169.
PF	
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PR	21-JUL-2000; 2000US-220101P.
XX	
PA	(CORV-) CORVAS INT INC.
XX	
PI	Lim-wilby M, Levy OE, Brunck TK;
XX	
DR	WPI; 2002-361643/39.
XX	
PT	Novel peptide compound having hepatitis C virus protease inhibitory
PT	activity useful for treating disorders associated with hepatitis C
PT	virus protease
XX	
PS	Claim 17; Page 65; 69pp; English.
XX	
CC	The sequence represents a peptide compound of the invention having
CC	hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC	invention are alpha-ketoamide peptide analogues. The peptides have
CC	virucide activity, and are useful for treating and in the manufacture of
CC	a pharmaceutical to treat disorders associated with HCV protease. A
CC	pharmaceutical composition comprising the peptide as an active ingredient
CC	is useful for treating disorders associated with hepatitis C virus.
XX	
SQ	Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;	
Best Local Similarity 54.5%; Pred. No. 54;	
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;	
QY	1 EEVVPXXXXXX 11
	: :::
Db	1 EEVVPXGSHYS 11
RESULT 35	
ABB80555	
ID	ABB80555 standard; peptide; 11 AA.
XX	
AC	ABB80555;
XX	
DT	08-OCT-2002 (first entry)
XX	
DE	Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #35.
XX	
KW	Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
KW	virucide.
XX	
OS	Synthetic.
XX	
FH	Key
FT	Location/Qualifiers

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FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 7" residue 7"
FT Misc-difference 8 /note= "D-form residue"
FT Misc-difference 9 /note= "D-form residue"
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
FT WO200208251-A2.
FT 31-JAN-2002.
FT 19-JUL-2001; 2001WO-US23169.
FT 21-JUL-2000; 2000US-220101P.
FT (CORV-) CORVAS INT INC.
FT Lim-wilby M, Levy OE, Brunck TK;
FT WPI; 2002-361643/39.
FT Novel peptide compound having hepatitis C virus protease inhibitory
FT activity useful for treating disorders associated with hepatitis C
FT virus protease
FT Claim 17; Page 65; 69pp; English.
FT The sequence represents a peptide compound of the invention having
FT hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
FT invention are alpha-ketoamide peptide analogues. The peptides have
FT virucide activity, and are useful for treating and in the manufacture of
FT a medicament to treat disorders associated with HCV protease. A
FT pharmaceutical composition comprising the peptide as an active ingredient
FT is useful for treating disorders associated with hepatitis C virus.
FT Sequence 11 AA;
FT Query Match 100.0%; Score 31; DB 23; Length 11;
FT Best Local Similarity 54.5%; Pred. No. 54;
FT Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
FT QY 1 EEVVPXXXXXX 11
FT |||||:::
FT Db 1 EEVVPXGSHYS 11
FT
FT RESULT 36
FT ABB80556
FT ID ABB80556 standard; peptide; 11 AA.
FT XX ABB80556;
FT AC ABB80556;
FT XX 08-OCT-2002 (first entry)
FT DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #36.
FT DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
FT XX virucide.
FT KW Synthetic.
FT OS
FT Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "D-form residue"
FT Misc-difference 8 /note= "D-form residue"
FT Misc-difference 9 /note= "D-form residue"
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
FT WO200208251-A2.
FT

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FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
FT WO200208251-A2.
FT 31-JAN-2002.
FT 19-JUL-2001; 2001WO-US23169.
FT 21-JUL-2000; 2000US-220101P.
FT (CORV-) CORVAS INT INC.
FT Lim-wilby M, Levy OE, Brunck TK;
FT WPI; 2002-361643/39.
FT Novel peptide compound having hepatitis C virus protease inhibitory
FT activity useful for treating disorders associated with hepatitis C
FT virus protease
FT Claim 17; Page 65; 69pp; English.
FT The sequence represents a peptide compound of the invention having
FT hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
FT invention are alpha-ketoamide peptide analogues. The peptides have
FT virucide activity, and are useful for treating and in the manufacture of
FT a medicament to treat disorders associated with HCV protease. A
FT pharmaceutical composition comprising the peptide as an active ingredient
FT is useful for treating disorders associated with hepatitis C virus.
FT Sequence 11 AA;
FT Query Match 100.0%; Score 31; DB 23; Length 11;
FT Best Local Similarity 54.5%; Pred. No. 54;
FT Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
FT QY 1 EEVVPXXXXXX 11
FT |||||:::
FT Db 1 EEVVPXGSDYS 11
FT
FT RESULT 37
FT ABB80557
FT ID ABB80557 standard; peptide; 11 AA.
FT XX ABB80557;
FT AC ABB80557;
FT XX 08-OCT-2002 (first entry)
FT DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #37.
FT DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
FT KW virucide.
FT XX Synthetic.
FT OS
FT Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 7" residue 7"
FT Misc-difference 8 /note= "D-form residue"
FT Misc-difference 9 /note= "D-form residue"
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
FT WO200208251-A2.
FT

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PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 XX  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 |||||:::  
 Db 1 EEVVPXGSDYS 11  
 RESULT 38  
 ABB80558  
 ID ABB80558 standard; peptide; 11 AA.  
 XX  
 AC ABB80558;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #38.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Modified-site 8 /note= "D-form residue"  
 FT Modified-site 8 /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"  
 XX  
 PN WO200208251-A2.  
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 PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX

PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease  
 XX  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
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 Db 1 EEVVPXGMHYS 11  
 RESULT 39  
 ABB80559  
 ID ABB80559 standard; peptide; 11 AA.  
 XX  
 AC ABB80559;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #39.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8 /note= "D-form residue"  
 FT Modified-site 8 /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"  
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 PN WO200208251-A2.  
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 PD 31-JAN-2002.  
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 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C



PT virus protease -  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 1 EEVVPXGMSYS 11  
 RESULT 40  
 ABB80560  
 ID ABB80560 standard; peptide; 11 AA.  
 XX  
 AC ABB80560;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #40.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8 /note= "D-form residue"  
 FT Modified-site 8 /note= "Oxymethionine"  
 FT Misc-difference 9 /note= "D-form residue"  
 FT Modified-site 11 /note= "C-terminal amide"  
 FT WO200208251-A2.  
 XX  
 PD 31-JAN-2002.  
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 PF 19-JUL-2001; 2001WO-US23169.  
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 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease -  
 XX  
 PS Claim 17; Page 65; 69pp; English.  
 XX

CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 1 EEVVPXGMSYS 11  
 RESULT 41  
 ABB80561  
 ID ABB80561 standard; peptide; 11 AA.  
 XX  
 AC ABB80561;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #41.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 FH Key Location/Qualifiers  
 FT Modified-site 1 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8 /note= "D-form residue"  
 FT Modified-site 8 /note= "Oxymethionine"  
 FT Modified-site 11 /note= "C-terminal amide"  
 FT WO200208251-A2.  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 19-JUL-2001; 2001WO-US23169.  
 XX  
 PR 21-JUL-2000; 2000US-220101P.  
 XX  
 PA (CORV-) CORVAS INT INC.  
 XX  
 PI Lim-wilby M, Levy OE, Brunck TK;  
 XX  
 DR WPI; 2002-361643/39.  
 XX  
 PT Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease -  
 XX  
 PS Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC

CC is useful for treating disorders associated with hepatitis C virus.  
XX Sequence 11 AA;  
SQ

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 1 EEVVPXGMDYS 11

RESULT 42  
ABB80562  
ID ABB80562 standard; peptide; 11 AA.  
XX  
AC ABB80562;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #42.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "D-form residue"  
FT Misc-difference 8 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 8 /note= "Oxymethionine"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
PN WO200208251-A2.  
XX  
PD 31-JAN-2002.  
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PF 19-JUL-2001; 2001WO-US23169.  
XX  
PR 21-JUL-2000; 2000US-220101P.  
XX  
PA (CORV-) CORVAS INT INC.  
XX  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
DR WPI; 2002-361643/39.  
XX  
PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 65; 69pp; English.  
XX

The sequence represents a peptide compound of the invention having  
hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
invention are alpha-ketoamide peptide analogues. The peptides have  
virucide activity, and are useful for treating and in the manufacture of  
a medicament to treat disorders associated with HCV protease. A  
pharmaceutical composition comprising the peptide as an active ingredient  
is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;  
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Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGMDYS 11

RESULT 43  
ABB80563  
ID ABB80563 standard; peptide; 11 AA.  
XX  
AC ABB80563;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #43.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Valyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
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PD 31-JAN-2002.  
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XX  
PR 21-JUL-2000; 2000US-220101P.  
XX  
PA (CORV-) CORVAS INT INC.  
XX  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
DR WPI; 2002-361643/39.  
XX  
PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 65; 69pp; English.  
XX

The sequence represents a peptide compound of the invention having  
hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
invention are alpha-ketoamide peptide analogues. The peptides have  
virucide activity, and are useful for treating and in the manufacture of  
a medicament to treat disorders associated with HCV protease. A  
pharmaceutical composition comprising the peptide as an active ingredient  
is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;  
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Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:~:~:~:  
Db 1 EEVVPXGMSYS 11

RESULT 44

ABB0564  
ID ABB0564 standard; peptide; 11 AA.  
XX AC ABB0564;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #44.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
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FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Leucyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX PN Lim-wilby M, Levy OE, Brunck TK;  
XX PD WPI; 2002-361643/39.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX PF Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease -  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
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XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
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XX Db 1 EEVVPXGMSYS 11  
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XX ABB0565  
XX ID ABB0565 standard; peptide; 11 AA.  
XX AC ABB0565;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #45.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

virucide.  
XX Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norleucyl carbonyl forming keto-amide linkage  
FT with residue 7"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX PN 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX PF Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease -  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease -  
XX PA Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
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XX |||||:::  
XX Db 1 EEVVPXGMSYS 11  
XX  
XX RESULT 46  
XX ABB0566  
XX ID ABB0566 standard; peptide; 11 AA.  
XX AC ABB0566;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #46.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "2-aminoisobutyryl carbonyl residue forming a  
FT keto-amide linkage with residue 7"  
XX

FT Modified-site 11 /note= "C-terminal amide"  
FT PA WO200208251-A2.  
XX PN 31-JAN-2002.  
XX PD  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX PR 21-JUL-2000; 2000US-220101P.  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease -  
XX PS Claim 17; Page 65; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGMSYS 11

RESULT 47  
ABB80567  
ID ABB80567 standard; peptide; 11 AA.  
XX AC ABB80567;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #47.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "(s,s)allothreonyl carbonyl residue forming a  
FT Modified-site 11 keto-amide linkage with residue 7"  
FT /note= "C-terminal amide"

WO200208251-A2.  
31-JAN-2002.  
19-JUL-2001; 2001WO-US23169.  
21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.  
XX PA Lim-wilby M, Levy OE, Brunck TK;  
XX PI WPI; 2002-361643/39.  
XX DR Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease -  
XX PS Claim 17; Page 65; 69pp; English.  
XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGMSYS 11

RESULT 48  
ABB80568  
ID ABB80568 standard; peptide; 11 AA.  
XX AC ABB80568;  
XX DT 08-OCT-2002 (first entry)  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #48.  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.  
XX OS Synthetic.  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Alpha-propionyl-glycyl-carbonyl residue forming  
FT Modified-site 11 a keto-amide linkage with residue 7"  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX PR 21-JUL-2000; 2000US-220101P.  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX DR WPI; 2002-361643/39.  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory  
XX PT activity useful for treating disorders associated with hepatitis C  
XX PT virus protease -

XX Claim 17; Page 65; 69pp; English.  
 PS  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.

SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||  
 Db 1 EEVVPXGMSYS 11

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 Job time : 34 secs



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OM protein - protein search, using sw model

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23.118 Million cell updates/sec

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Sequence: 1 eevvpxxxxxx 11

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Searched: 262574 seqs, 29422922 residues

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Post-processing: Minimum Match 100%  
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3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
-----					

No matches found

Search completed: May 29, 2003, 11:21:32  
Job time : 14 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 11:19:43 ; Search time 18 Seconds  
(without alignments)  
61.859 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 10123694 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep:\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep:\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep:\*  
11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*  
12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep:\*  
13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result	Query	%	Score	Match	Length	ID	Description
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No matches found

Search completed: May 29, 2003, 11:21:56  
Job time : 18 secs



*Prod. Revu*

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 11:19:02 ; Search time 14 Seconds  
(without alignments)  
75.534 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : PIR\_73.\*  
1: pir1.\*  
2: pir2.\*  
3: pir3.\*  
4: pir4.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
------------	-------	-------------	--------	----	-------------

No matches found

Search completed: May 29, 2003, 11:21:12  
Job time : 14 secs



GenCore version 5.1.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:12:22 ; Search time 11 Seconds  
(without alignments)  
41.476 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 112892 seqs, 41476328 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : SwissProt\_40:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Query Score	Match Length	DB ID	Description
-----				

No matches found

Search completed: May 29, 2003, 11:19:35  
Job time : 11 secs



GenCore version 5.1.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 11:13:47 ; Search time 28 Seconds  
(without alignments)  
80.947 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 671580 seqs, 206047115 residues

Total number of hits satisfying chosen parameters: 0

Minimum DB seq length: 0  
Maximum DB seq length: 20

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 200 summaries

Database : SPTREMBL\_21:\*  
1: sp\_archaea:\*  
2: sp\_bacteria:\*  
3: sp\_fungi:\*  
4: sp\_human:\*  
5: sp\_invertebrate:\*  
6: sp\_mammal:\*  
7: sp\_mhc:\*  
8: sp\_organelle:\*  
9: sp\_phage:\*  
10: sp\_plant:\*  
11: sp\_rodent:\*  
12: sp\_virus:\*  
13: sp\_vertebrate:\*  
14: sp\_unclassified:\*  
15: sp\_rvirus:\*  
16: sp\_bacteriap:\*  
17: sp\_archaea:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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No matches found

Search completed: May 29, 2003, 11:20:50  
Job time : 28 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:54 ; Search time 14 Seconds  
(without alignments)  
23.118 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpvxxxxxx 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 17

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 600 summaries

Database : Issued\_Patents\_AA.\*  
1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep.\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep.\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep.\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep.\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS.COMB.pep.\*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	31	100.0	115	4	US-09-134-001C-2914
2	31	100.0	121	4	US-09-152-060-68
3	31	100.0	121	4	US-09-152-060-85
4	31	100.0	122	2	US-08-879-995A-1
5	31	100.0	122	3	US-09-215-096-1
6	31	100.0	622	2	US-08-459-146-2
7	31	100.0	622	2	US-08-459-065-2
8	31	100.0	730	1	US-07-846-181-5
9	31	100.0	730	1	US-07-845-989-5
10	31	100.0	1528	1	US-08-463-092B-6
11	31	100.0	1528	2	US-08-462-109A-6
12	31	100.0	1528	2	US-08-460-907B-6
13	31	100.0	1528	3	US-08-463-179A-6
14	31	100.0	1528	3	US-08-461-384B-6
15	31	100.0	2594	4	US-08-718-388-7
16	31	100.0	2639	4	US-09-080-983-3
17	31	100.0	5405	4	US-08-718-388-9

ALIGNMENTS

RESULT 1  
US-09-134-001C-2914  
; Sequence 2914, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
; FILE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC-007  
; CURRENT APPLICATION NUMBER: US/09/134,001C  
; PRIOR FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/064,964  
; PRIOR FILING DATE: 1997-11-08  
; PRIOR APPLICATION NUMBER: US 60/055,779  
; PRIOR FILING DATE: 1997-08-14  
; NUMBER OF SEQ ID NOS: 5674  
; SEQ ID NO 2914  
; LENGTH: 115  
; TYPE: PRT  
; ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-2914

Query Match 100.0%; Score 31; DB 4; Length 115;  
Best Local Similarity 45.5%; Pred. No. 2.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPVXXXXXX 11  
| | | | | : : : : :  
Db 17 EEVVPVTVVDL 27

RESULT 2

US-09-152-060-68  
; Sequence 68, Application US/09152060  
; Patent No. 6448230  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: P2003P1.US  
; CURRENT APPLICATION NUMBER: US/09/152,060  
; CURRENT FILING DATE: 1998-09-11  
; EARLIER APPLICATION NUMBER: PCT/US98/04858  
; EARLIER FILING DATE: 1998-03-12  
; EARLIER APPLICATION NUMBER: 60/040,762  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/040,710  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/050,934  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,100  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,357  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,189  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/057,765  
; EARLIER FILING DATE: 1997-09-05  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/068,368  
; EARLIER FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 118  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 68  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-152-060-68

Query Match 100.0%; Score 31; DB 4; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPVXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPVGGGRSK 38

RESULT 3  
US-09-152-060-85  
; Sequence 85, Application US/09152060  
; Patent No. 6448230  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: P2003P1.US  
; CURRENT APPLICATION NUMBER: US/09/152,060  
; CURRENT FILING DATE: 1998-09-11  
; EARLIER APPLICATION NUMBER: PCT/US98/04858  
; EARLIER FILING DATE: 1998-03-12  
; EARLIER APPLICATION NUMBER: 60/040,762  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/040,710  
; EARLIER FILING DATE: 1997-03-14  
; EARLIER APPLICATION NUMBER: 60/050,934  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,100  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,357  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/048,189  
; EARLIER FILING DATE: 1997-05-30  
; EARLIER APPLICATION NUMBER: 60/057,765  
; EARLIER FILING DATE: 1997-09-05  
; EARLIER APPLICATION NUMBER: 60/048,970  
; EARLIER FILING DATE: 1997-06-06  
; EARLIER APPLICATION NUMBER: 60/068,368  
; EARLIER FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 118  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 85  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (67)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
; FEATURE:  
; NAME/KEY: SITE  
; LOCATION: (89)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-152-060-85

Query Match 100.0%; Score 31; DB 4; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

RESULT 4  
US-08-879-995A-1  
; Sequence 1, Application US/08879995A  
; Patent No. 5985606  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Kaser, Matthew R.  
; TITLE OF INVENTION: HUMAN PREPROTACHYKININ B  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/215,096  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/879,995  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0326 US  
; TELECOMMUNICATION INFORMATION:  
; COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/879,995A  
FILING DATE: Herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0326 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: BRAITUT03  
CLONE: 2109906  
US-08-879-995A-1

Query Match 100.0%; Score 31; DB 2; Length 122;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

RESULT 5  
US-09-215-096-1  
; Sequence 1, Application US/09215096  
; Patent No. 6008194  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti  
; APPLICANT: Kaser, Matthew R.  
; TITLE OF INVENTION: HUMAN PREPROTACHYKININ B  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/215,096  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/879,995  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0326 US  
; TELECOMMUNICATION INFORMATION:  
; COMPUTER READABLE FORM:

TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 122 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BRAITUT03  
 CLONE: 2109906  
 US-09-215-096-1

Query Match 100.0%; Score 31; DB 3; Length 122;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:  
 Db 28 EEVVPGGGRSK 38

RESULT 6  
 US-08-459-146-2  
 ; Sequence 2, Application US/08459146  
 ; Patent No. 5866405  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Choi, Gil Ho  
 ; APPLICANT: Nuss, Donald Lee  
 ; TITLE OF INVENTION: Genetically Engineered Transmissible  
 ; TITLE OF INVENTION: Hypovirulence  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: George M. Gould, Esq., Hoffmann-La Roche Inc.  
 ; STREET: 340 Kingsland Street  
 ; CITY: Nutley  
 ; STATE: New Jersey  
 ; COUNTRY: U.S.A.  
 ; ZIP: 07110  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/459,146  
 ; FILING DATE: 02-JUN-1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/832,117  
 ; FILING DATE: 06-FEB-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Roseman, Catherine R  
 ; REGISTRATION NUMBER: 34,240  
 ; REFERENCE/DOCKET NUMBER: 8589  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (201) 235-6208  
 ; TELEFAX: (201) 235-3500  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 622 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Endothia parasitica (Cryptonectria  
 ; ORGANISM: parasitica)  
 ; STRAIN: EP713  
 ; US-08-459-146-2

Query Match 100.0%; Score 31; DB 2; Length 622;

Best Local Similarity 45.5%; Pred. No. 1.5e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:  
 Db 31 EEVVPAGCITL 41

RESULT 7  
 US-08-459-065-2  
 ; Sequence 2, Application US/08459065  
 ; Patent No. 5882642  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Choi, Gil Ho  
 ; APPLICANT: Nuss, Donald Lee  
 ; TITLE OF INVENTION: Genetically Engineered Transmissible  
 ; TITLE OF INVENTION: Hypovirulence  
 ; NUMBER OF SEQUENCES: 3  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: George M. Gould, Esq., Hoffmann-La Roche Inc.  
 ; STREET: 340 Kingsland Street  
 ; CITY: Nutley  
 ; STATE: New Jersey  
 ; COUNTRY: U.S.A.  
 ; ZIP: 07110  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/459,065  
 ; FILING DATE: 02-JUN-1995  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/832,117  
 ; FILING DATE: 06-FEB-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Roseman, Catherine R  
 ; REGISTRATION NUMBER: 34,240  
 ; REFERENCE/DOCKET NUMBER: 8589  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (201) 235-6208  
 ; TELEFAX: (201) 235-3500  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 622 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; HYPOTHETICAL: NO  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Endothia parasitica (Cryptonectria  
 ; ORGANISM: parasitica)  
 ; STRAIN: EP713  
 ; US-08-459-065-2

Query Match 100.0%; Score 31; DB 2; Length 622;  
 Best Local Similarity 45.5%; Pred. No. 1.5e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:  
 Db 31 EEVVPAGCITL 41

RESULT 8  
 US-07-846-181-5  
 ; Sequence 5, Application US/07846181  
 ; Patent No. 5360732  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BERRA, RANDY M  
 ; APPLICANT: FOWLER, TIMOTHY

```
; APPLICANT: REY, MICHAEL W
; TITLE OF INVENTION: PRODUCTION OF ASPERGILLUS NIGER
; TITLE OF INVENTION: CATALASE-R
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENECOR INTERNATIONAL, INC.
; STREET: 180 KIMBALL WAY
; CITY: SOUTH SAN FRANCISCO
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/846,181
; FILING DATE: 19920304
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: HORN MS, MARGARET A
; REGISTRATION NUMBER: 33401
; REFERENCE/DOCKET NUMBER: GC204-US1
; TELEPHONE: 415-742-7536
; TELEFAX: 415-742-7536
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 730 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-846-181-5

Query Match 100.0%; Score 31; DB 1; Length 730;
Best Local Similarity 45.5%; Pred. No. 1.8e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPPXXXXX 11
Db 339 EEWVPTPLGM 349

RESULT 9
US-07-845-989-5
; Sequence 5, Application US/07845989
; Patent No. 5360901
; GENERAL INFORMATION:
; APPLICANT: BERKA, RANDY M
; APPLICANT: FOWLER, TIMOTHY
; APPLICANT: REY, MICHAEL W
; TITLE OF INVENTION: PRODUCTION OF ASPERGILLUS NIGER
; TITLE OF INVENTION: CATALASE-R
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENECOR INTERNATIONAL, INC.
; STREET: 180 KIMBALL WAY
; CITY: SOUTH SAN FRANCISCO
; STATE: CA
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/845,989
; FILING DATE: 19920304
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: HORN MS, MARGARET A
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; REGISTRATION NUMBER: 33401
; REFERENCE/DOCKET NUMBER: GC208-US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-742-7536
; TELEFAX: 415-742-7217
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 730 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-845-989-5

Query Match 100.0%; Score 31; DB 1; Length 730;
Best Local Similarity 45.5%; Pred. No. 1.8e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPPXXXXX 11
Db 339 EEWVPTPLGM 349

RESULT 10
US-08-463-092B-6
; Sequence 6, Application US/08463092B
; Patent No. 5766880
; GENERAL INFORMATION:
; APPLICANT: Cole, Susan P.C.
; APPLICANT: Deeley, Roger G.
; TITLE OF INVENTION: ISOLATED NUCLEIC ACID MOLECULES ENCODING
; TITLE OF INVENTION: MULTIDRUG RESISTANCE PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PARTEQ RESEARCH & DEVELOPMENT INNOVATIONS
; STREET: Queen's University at Kingston
; CITY: Kingston
; STATE: Ontario
; COUNTRY: CANADA
; ZIP: K7L 3N6
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,092B
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/966,923
; FILING DATE: 27-OCT-1992
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/029,340
; FILING DATE: 8-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/141,893
; FILING DATE: 26-OCT-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/407,207
; FILING DATE: 20-MAR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Steeg, Carol Miernicki
; REGISTRATION NUMBER: 39,539
; REFERENCE/DOCKET NUMBER: Q1546
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (613) 545-2342
; TELEFAX: (613) 545-6853
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
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LENGTH: 1528 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-463-092B-6

Query Match 100.0%; Score 31; DB 1; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 251 EEVVPVLVNNW 261

RESULT 11  
US-08-462-109A-6  
; Sequence 6, Application US/08462109A  
; Patent No. 5882875  
; GENERAL INFORMATION:  
; APPLICANT: Cole, Susan P.C.  
; APPLICANT: Deeley, Roger G.  
; TITLE OF INVENTION: METHODS FOR IDENTIFYING  
; TITLE OF INVENTION: MULTIDRUG RESISTANT TUMOR CELLS  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/462,109A  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/966,923  
; FILING DATE: 27-OCT-1992  
; CLASSIFICATION: 424  
; APPLICATION NUMBER: 08/029,340  
; FILING DATE: 8-MAR-1993  
; APPLICATION NUMBER: 08/141,893  
; FILING DATE: 26-OCT-1993  
; APPLICATION NUMBER: 08/407,207  
; FILING DATE: 20-MAR-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DeConti, Giulio A. Jr.  
; REGISTRATION NUMBER: 31,503  
; REFERENCE/DOCKET NUMBER: PQI-002CP4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1528 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-462-109A-6

Query Match 100.0%; Score 31; DB 2; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 251 EEVVPVLVNNW 261

RESULT 12  
US-08-460-907B-6  
; Sequence 6, Application US/08460907B  
; Patent No. 5891724  
; GENERAL INFORMATION:  
; APPLICANT: Deeley, Roger G.  
; APPLICANT: Cole, Susan P.C.  
; TITLE OF INVENTION: METHODS FOR CONFERRING MULTIDRUG  
; TITLE OF INVENTION: RESISTANCE ON A CELL  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: PARTEQ RESEARCH & DEVELOPMENT INNOVATIONS  
; STREET: Queen's University at Kingston  
; CITY: Kingston  
; STATE: Ontario  
; COUNTRY: CANADA  
; ZIP: K7L 3N6  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII text  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/460,907B  
; FILING DATE: 05-JUN-1995  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/966,923  
; FILING DATE: 27-OCT-1992  
; CLASSIFICATION: 424  
; APPLICATION NUMBER: 08/029,340  
; FILING DATE: 8-MAR-1993  
; CLASSIFICATION: 424  
; APPLICATION NUMBER: 08/141,893  
; FILING DATE: 26-OCT-1993  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/407,207  
; FILING DATE: 20-MAR-1995  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steeg, Carol Miernicki  
; REGISTRATION NUMBER: 39,539  
; REFERENCE/DOCKET NUMBER: Q1551  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (613) 545-2342  
; TELEFAX: (613) 545-6853  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1528 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-460-907B-6

Query Match 100.0%; Score 31; DB 2; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 251 EEVVPVLVNNW 261

RESULT 13  
US-08-463-179A-6  
; Sequence 6, Application US/08463179A  
; Patent No. 6001563  
; GENERAL INFORMATION:  
; APPLICANT: Cole, Susan P.C.

```

; APPLICANT: Deeley, Roger G.
; TITLE OF INVENTION: METHODS FOR IDENTIFYING CHEMOSENSITIZERS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,179A
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/966,923
; FILING DATE: 27-OCT-1992
; APPLICATION NUMBER: 08/029,340
; FILING DATE: 8-MAR-1993
; APPLICATION NUMBER: 08/141,893
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: 08/407,207
; FILING DATE: 20-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: DeConti, Giulio A. Jr.
; REGISTRATION NUMBER: 31,503
; REFERENCE/DOCKET NUMBER: PQ1-002CP8
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1528 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-463-179A-6

Query Match 100.0%; Score 31; DB 3; Length 1528;
Best Local Similarity 45.5%; Pred. No. 4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 251 EEVVPVLNNW 261

RESULT 14
US-08-461-384B-6
; Sequence 6, Application US/08461384B
; Patent No. 6025473
; GENERAL INFORMATION:
; APPLICANT: Cole, Susan P.C.
; APPLICANT: Deeley, Roger G.
; TITLE OF INVENTION: MULTIDRUG RESISTANCE PROTEINS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PARTEQ RESEARCH & DEVELOPMENT INNOVATIONS
; STREET: Queen's University at Kingston
; CITY: Kingston
; STATE: Ontario
; COUNTRY: CANADA
; ZIP: K7L 3N6
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,384B
; FILING DATE: 05-JUN-95
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/966,923
; FILING DATE: 27-OCT-1992
; APPLICATION NUMBER: 08/029,340
; FILING DATE: 8-MAR-1993
; APPLICATION NUMBER: 08/141,893
; FILING DATE: 26-OCT-1993
; APPLICATION NUMBER: 08/407,207
; FILING DATE: 20-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Steeg, Carol Miernicki
; REGISTRATION NUMBER: 39,539
; REFERENCE/DOCKET NUMBER: Q1547
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (613) 545-2342
; TELEFAX: (613) 545-8853
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1528 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-461-384B-6

Query Match 100.0%; Score 31; DB 3; Length 1528;
Best Local Similarity 45.5%; Pred. No. 4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 251 EEVVPVLNNW 261

RESULT 15
US-08-718-388-7
; Sequence 7, Application US/08718388
; Patent No. 6271362
; GENERAL INFORMATION:
; APPLICANT: MORIKAWA, MINORU
; APPLICANT: HARAKA, NAOKI
; TITLE OF INVENTION: GENE ENCODING I9G FC REGION-BINDING
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH
; STREET: PO BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/718,388
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: MURPHY JR, GERALD M
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 0230-111
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2594 amino acids
; TYPE: amino acid

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TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-718-388-7

Query Match 100.0%; Score 31; DB 4; Length 2594;  
Best Local Similarity 45.5%; Pred. No. 7.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 1420 EEVVPDSPCLP 1430

## RESULT 16

US-09-080-983-3  
Sequence 3, Application US/09080983  
Patent No. 6197948  
GENERAL INFORMATION:  
APPLICANT: Zhu, Hai-Ying  
APPLICANT: Ling, Kai-Shu  
APPLICANT: Gonsalves, Dennis  
TITLE OF INVENTION: GRAPEVINE LEAFROLL VIRUS TYPE 2 PROTEINS  
TITLE OF INVENTION: AND THEIR USES  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP  
STREET: Clinton Square, P.O. Box 1051  
CITY: Rochester  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 14603

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/080,983  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/047,194  
FILING DATE: 20-MAY-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldman, Michael L.  
REGISTRATION NUMBER: 30,727  
REFERENCE/DOCKET NUMBER: 19603/1631

TELEPHONE: (716) 263-1304  
TELEFAX: (716) 263-1600  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2639 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-080-983-3

Query Match 100.0%; Score 31; DB 4; Length 2639;  
Best Local Similarity 45.5%; Pred. No. 7.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 555 EEVVPDITPA 565

## RESULT 17

US-08-718-388-9  
Sequence 9, Application US/08718388  
Patent No. 6271362  
GENERAL INFORMATION:

APPLICANT: MORIKAWA, MINORU  
APPLICANT: HARADA, NAKKI  
TITLE OF INVENTION: GENE ENCODING IgG FC REGION-BINDING  
TITLE OF INVENTION: PROTEIN  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH  
STREET: PO BOX 747  
CITY: FALLS CHURCH  
STATE: VA  
COUNTRY: USA  
ZIP: 22040-0747  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/718,388  
FILING DATE:

CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: MURPHY JR, GERALD M  
REGISTRATION NUMBER: 28,977  
REFERENCE/DOCKET NUMBER: 0230-111  
TELEPHONE: (703) 205-8000  
TELEFAX: (703) 205-8050  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5405 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-718-388-9

Query Match 100.0%; Score 31; DB 4; Length 5405;  
Best Local Similarity 45.5%; Pred. No. 1.6e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 1420 EEVVPDSPCLP 1430

Search completed: May 29, 2003, 16:59:31  
Job time : 15 secs





GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:39 ; Search time 29 Seconds  
(without alignments)

78.156 Million cell updates/sec

Title: AUDET-909164-5

Perfect score: 31

Sequence: 1 eevvpvxxxxxx 11

Scoring table: BLOSUM62DX

Gapop 10.0, Gapext 0.5

Searched: 671580 seqs, 206047115 residues

Total number of hits satisfying chosen parameters: 176

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 600 summaries

Database :

SPTREMBL\_21.\*

1: sp\_archaea.\*

2: sp\_bacteria.\*

3: sp\_fungi.\*

4: sp\_human.\*

5: sp\_invertebrate.\*

6: sp\_mammal.\*

7: sp\_mhc.\*

8: sp\_organelle.\*

9: sp\_phage.\*

10: sp\_plant.\*

11: sp\_rodent.\*

12: sp\_virus.\*

13: sp\_vertebrate.\*

14: sp\_unclassified.\*

15: sp\_rvirus.\*

16: sp\_bacteriap.\*

17: sp\_archaeap.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	31	100.0	84	16	Q9KND7
2	31	100.0	88	16	Q8XWY6
3	31	100.0	95	2	Q9L313
4	31	100.0	95	2	Q9L301
5	31	100.0	97	5	Q22828
6	31	100.0	108	3	Q96X42
7	31	100.0	108	17	Q97U46
8	31	100.0	111	16	Q9CC43
9	31	100.0	118	4	Q96B37
10	31	100.0	119	11	Q8R404
11	31	100.0	121	16	Q8XVC7
12	31	100.0	122	16	Q8XSB2
13	31	100.0	122	16	Q8XG16
14	31	100.0	123	16	Q926B1
15	31	100.0	130	16	Q92YJ6
16	31	100.0	130	16	Q52956

17	31	100.0	134	16	Q9RTF7
18	31	100.0	138	16	Q92VG7
19	31	100.0	150	2	Q49782
20	31	100.0	164	16	Q8ZNX6
21	31	100.0	165	16	Q8XCW6
22	31	100.0	185	16	Q97S26
23	31	100.0	197	16	Q8RE64
24	31	100.0	200	17	Q8TTX1
25	31	100.0	201	5	Q25985
26	31	100.0	208	6	Q95KZ7
27	31	100.0	212	6	Q8SPR1
28	31	100.0	222	2	Q9L577
29	31	100.0	224	3	Q01680
30	31	100.0	237	2	Q9Z195
31	31	100.0	240	16	Q9PGT4
32	31	100.0	250	17	Q9V208
33	31	100.0	266	10	Q93VE7
34	31	100.0	267	2	Q9FAG9
35	31	100.0	273	17	Q29554
36	31	100.0	279	17	Q8TV71
37	31	100.0	280	5	Q8TVN2
38	31	100.0	281	16	Q8YU66
39	31	100.0	282	16	Q8XRK0
40	31	100.0	289	17	Q8TXR5
41	31	100.0	290	2	Q932R7
42	31	100.0	302	16	Q8UKB7
43	31	100.0	303	4	Q9UFE0
44	31	100.0	305	17	Q8TYW2
45	31	100.0	307	17	Q29676
46	31	100.0	309	4	Q9NMJ9
47	31	100.0	311	16	Q8ZB39
48	31	100.0	316	16	Q9RV16
49	31	100.0	325	10	Q9M9U8
50	31	100.0	337	10	Q9SIL3
51	31	100.0	348	10	Q49457
52	31	100.0	363	16	Q9X888
53	31	100.0	367	17	Q8T292
54	31	100.0	379	2	P72239
55	31	100.0	379	5	Q9NKR4
56	31	100.0	384	10	Q49362
57	31	100.0	386	4	Q9UKN3
58	31	100.0	386	16	Q9RJH6
59	31	100.0	388	2	Q9EV92
60	31	100.0	390	3	Q9HEF7
61	31	100.0	390	5	Q22101
62	31	100.0	390	5	Q22101
63	31	100.0	401	2	Q50654
64	31	100.0	402	17	Q8TX87
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66	31	100.0	411	16	Q9PDF2
67	31	100.0	414	16	Q69477
68	31	100.0	416	2	Q9LAY8
69	31	100.0	419	17	Q9UYL6
70	31	100.0	423	2	Q93HF1
71	31	100.0	423	5	Q9BPS3
72	31	100.0	425	10	Q39331
73	31	100.0	431	17	Q58337
74	31	100.0	435	16	P73669
75	31	100.0	448	16	Q981Y9
76	31	100.0	449	5	Q9V7C0
77	31	100.0	452	16	Q8XAR0
78	31	100.0	454	2	Q9AE36
79	31	100.0	455	10	Q93Z56
80	31	100.0	456	12	Q8UYU2
81	31	100.0	473	16	Q8R7Q9
82	31	100.0	477	17	Q9HM45
83	31	100.0	478	9	Q64067
84	31	100.0	478	16	Q31954
85	31	100.0	478	16	Q9RXH8
86	31	100.0	485	4	Q9BXK5
87	31	100.0	485	4	Q96IB7
88	31	100.0	486	4	Q96JJ7
89	31	100.0	488	4	Q96M73

Q9RTF7	deinococcus
Q92VG7	rhizobium m
Q49782	mycobacteri
Q8ZNX6	salmonella
Q8XCW6	escherichia
Q97S26	streptococc
Q8RE64	fusobacteri
Q8TTX1	methanosarc
Q25985	plasmodium
Q95KZ7	equus cabal
Q8SPR1	equus cabal
Q9L577	streptococc
Q01680	pneumocysti
Q9Z195	lactobacill
Q9PGT4	xyella fas
Q9V208	pyrococcus
Q93VE7	arabidopsis
Q9FAG9	pseudomonas
Q29554	archaeoglob
Q8TV71	methanopyru
Q8TVN2	caenorhabdi
Q8YU66	anabaena sp
Q8XRK0	raistonia s
Q8TXR5	methanopyru
Q932R7	pseudomonas
Q8UKB7	agrobacteri
Q9UFE0	homo sapien
Q8TYW2	methanopyru
Q29676	archaeoglob
Q9NMJ9	homo sapien
Q8ZB39	versinia pe
Q9RV16	deinococcus
Q9M9U8	arabidopsis
Q9SIL3	arabidopsis
Q49457	arabidopsis
Q9X888	streptococc
Q8T292	methanopyru
P72239	pseudomonas
Q9NKR4	leishmania
Q49362	arabidopsis
Q9UKN3	homo sapien
Q9RJH6	streptomyce
Q9EV92	clostridium
Q9HEF7	neurospora
Q22101	caenorhabdi
Q50654	pseudomonas
Q8TX87	methanopyru
Q9VX08	drosophila
Q9PDF2	xyella fas
Q69477	mycobacteri
Q9LAY8	streptococc
Q9UYL6	pyrococcus
Q93HF1	streptomyce
Q9BPS3	bombyx mori
Q39331	brassica na
Q58337	pyrococcus
P73669	synecocyst
Q981Y9	rhizobium l
Q9V7C0	drosophila
Q8XAR0	escherichia
Q9AE36	rhizobium l
Q93Z56	arabidopsis
Q8UYU2	soybean mos
Q8R7Q9	thermoanaer
Q9HM45	thermoplasma
Q64067	bacterioph
Q31954	bacillus su
Q9RXH8	deinococcus
Q9BXK5	homo sapien
Q96IB7	homo sapien
Q96JJ7	homo sapien
Q96M73	homo sapien

90	31	100.0	502	2	007316	O07316 rhizobium m	163	31	100.0	1749	16	Q8YX14	Q8YX14 anabaena sp
91	31	100.0	507	12	Q9J8C8	Q9J8C8 spodoptera	164	31	100.0	1920	10	Q942J8	Q942J8 oryza sativ
92	31	100.0	508	16	Q8R6X0	Q8R6X0 thermopane	165	31	100.0	2000	6	Q97791	Q97791 oryctolagus
93	31	100.0	511	16	Q9RY57	Q9RY57 deinococcus	166	31	100.0	2130	13	Q9DE13	Q9DE13 gallus gall
94	31	100.0	513	4	Q96FN5	Q96FN5 homo sapien	167	31	100.0	2473	12	O71209	O71209 grapevine l
95	31	100.0	544	16	Q9PD02	Q9PD02 ureaplasma	168	31	100.0	2843	4	Q9Y6R7	Q9Y6R7 homo sapien
96	31	100.0	558	5	Q21234	Q21234 caenorhabdi	169	31	100.0	2903	5	Q9N8R7	Q9N8R7 trypanosoma
97	31	100.0	596	10	Q49588	Q49588 arabidopsis	170	31	100.0	3033	12	Q9O9A7	Q9O9A7 hepatitis c
98	31	100.0	600	5	Q9VE96	Q9VE96 drosophila	171	31	100.0	3066	12	Q91BP2	Q91BP2 soybean mos
99	31	100.0	604	4	Q9NQZ7	Q9NQZ7 homo sapien	172	31	100.0	3263	5	Q917U3	Q917U3 drosophila
100	31	100.0	607	12	O83351	O83351 morbillivir	173	31	100.0	6815	5	Q917U4	Q917U4 drosophila
101	31	100.0	622	12	Q9VTU3	Q9VTU3 cryphonectr	174	31	100.0	7962	4	O10465	O10465 homo sapien
102	31	100.0	622	12	Q9YMF2	Q9YMF2 cryphonectr	175	31	100.0	16215	5	Q9NFS3	Q9NFS3 drosophila
103	31	100.0	622	12	Q9YMF1	Q9YMF1 cryphonectr	176	31	100.0	34350	4	Q8WZ42	Q8WZ42 homo sapien
104	31	100.0	622	12	Q9YMF0	Q9YMF0 cryphonectr							
105	31	100.0	622	12	Q9YME9	Q9YME9 cryphonectr							
106	31	100.0	622	12	Q9YME8	Q9YME8 cryphonectr							
107	31	100.0	622	12	Q9YME7	Q9YME7 cryphonectr							
108	31	100.0	622	12	Q9YME6	Q9YME6 cryphonectr							
109	31	100.0	622	12	Q9YME5	Q9YME5 cryphonectr							
110	31	100.0	622	12	Q9YME4	Q9YME4 cryphonectr							
111	31	100.0	622	12	Q04349	Q04349 cryphonectr							
112	31	100.0	637	3	O42733	O42733 pneumocysti							
113	31	100.0	637	17	O8TJB4	O8TJB4 methanosarc							
114	31	100.0	638	2	Q9S1C2	Q9S1C2 synechococc							
115	31	100.0	642	11	Q9D2Z8	Q9D2Z8 mus musculu							
116	31	100.0	653	16	Q9VEE3	Q9VEE3 vibrio chol							
117	31	100.0	655	5	Q9VX51	Q9VX51 drosophila							
118	31	100.0	656	5	Q8T8V2	Q8T8V2 drosophila							
119	31	100.0	661	17	Q973T7	Q973T7 sulfolobus							
120	31	100.0	680	4	Q9BWC2	Q9BWC2 homo sapien							
121	31	100.0	682	10	Q8RWG1	Q8RWG1 arabidopsis							
122	31	100.0	685	4	O15271	O15271 homo sapien							
123	31	100.0	688	5	Q22402	Q22402 caenorhabdi							
124	31	100.0	708	11	O91VS3	O91VS3 mus musculu							
125	31	100.0	716	11	P70521	P70521 ratus norv							
126	31	100.0	748	4	O8TBJ7	O8TBJ7 homo sapien							
127	31	100.0	758	4	Q8WUZ4	Q8WUZ4 homo sapien							
128	31	100.0	759	2	Q93M42	Q93M42 streptococc							
129	31	100.0	765	5	Q9VWU5	Q9VWU5 drosophila							
130	31	100.0	794	5	Q9VBW1	Q9VBW1 drosophila							
131	31	100.0	796	5	Q9XZT9	Q9XZT9 drosophila							
132	31	100.0	816	9	Q8SD65	Q8SD65 pseudomonas							
133	31	100.0	822	3	Q9USH9	Q9USH9 schizosacch							
134	31	100.0	828	3	P87243	P87243 schizosacch							
135	31	100.0	838	4	Q9ULQ0	Q9ULQ0 homo sapien							
136	31	100.0	877	10	Q42497	Q42497 chlorella v							
137	31	100.0	891	16	Q8YGV0	Q8YGV0 bruceella me							
138	31	100.0	903	4	Q9UPX1	Q9UPX1 homo sapien							
139	31	100.0	905	5	Q9VZR6	Q9VZR6 drosophila							
140	31	100.0	922	10	Q9M497	Q9M497 arabidopsis							
141	31	100.0	927	3	Q92446	Q92446 pneumocysti							
142	31	100.0	932	5	Q9VZP5	Q9VZP5 drosophila							
143	31	100.0	941	5	Q9VFK9	Q9VFK9 drosophila							
144	31	100.0	948	10	Q9S749	Q9S749 arabidopsis							
145	31	100.0	953	10	Q9SZD6	Q9SZD6 arabidopsis							
146	31	100.0	967	16	Q9X085	Q9X085 thermotoga							
147	31	100.0	1055	3	O13397	O13397 debaryomyce							
148	31	100.0	1075	12	Q91IE9	Q91IE9 lymantria d							
149	31	100.0	1076	3	Q9C1R0	Q9C1R0 debaryomyce							
150	31	100.0	1076	3	O43001	O43001 schizosacch							
151	31	100.0	1082	3	O13398	O13398 debaryomyce							
152	31	100.0	1084	5	Q9TYW4	Q9TYW4 caenorhabdi							
153	31	100.0	1144	5	Q9NJH7	Q9NJH7 drosophila							
154	31	100.0	1146	10	Q9SRD1	Q9SRD1 arabidopsis							
155	31	100.0	1232	5	Q9N4H7	Q9N4H7 caenorhabdi							
156	31	100.0	1306	2	O47766	O47766 enterococcu							
157	31	100.0	1341	12	Q88304	Q88304 sandfly fev							
158	31	100.0	1376	5	Q9VQR8	Q9VQR8 drosophila							
159	31	100.0	1499	4	Q96914	Q96914 homo sapien							
160	31	100.0	1503	5	Q9GZ07	Q9GZ07 plasmodium							
161	31	100.0	1528	11	O35379	O35379 mus musculu							
162	31	100.0	1608	5	Q8T5Z6	Q8T5Z6 plasmodium							

## ALIGNMENTS

## RESULT 1

Q9KND7 PRELIMINARY; PRT; 84 AA.  
 ID Q9KND7  
 AC Q9KND7  
 DT 01-OCT-2000 (TREMBlrel. 15, Created)  
 DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)  
 DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)  
 DE Hypothetical protein VCA0028.  
 GN VCA0028.  
 OS Vibrio cholerae.  
 OC Bacteria; Proteobacteria; gamma subdivision; Vibrionaceae; Vibrio.  
 OX NCBI\_TaxID=666;  
 RN [1]

SEQUENCE FROM N.A.  
 RC STRAIN=EL TOR N16961 / SEROTYPE O1;  
 RX MEDLINE=20406833; PubMed=10952301;  
 RA Heidelberg J.F., Eisen J.A., Nelson W.C., Clayton R.A., Gwinn M.L.,  
 RA Dodson R.J., Haft D.H., Hickey E.K., Peterson J.D., Umayam L.A.,  
 RA Gill S.R., Nelson K.E., Read T.D., Tettelin H., Richardson D.,  
 RA Ermolaeva M.D., Vamathevan J., Bass S., Qin H., Dragoi I., Sellers P.,  
 RA McDonald L., Utterback T., Fleischmann R.D., Nierman W.C., White O.,  
 RA Salzberg S.L., Smith H.O., Colwell R.R., Mekalanos J.J., Venter J.C.,  
 RA Fraser C.M.;  
 RT "DNA sequence of both chromosomes of the cholera pathogen Vibrio  
 cholerae.";  
 RL Nature 406:477-483(2000).  
 DR EMBL; AE004346; AAF95942.1; -.  
 DR TIGR; VCA0028; -.  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 84 AA; 9690 MW; D13D5063CADECB5D CRC64;

Query Match 100.0%; Score 31; DB 16; Length 84;  
 Best Local Similarity 45.5%; Pred. NO. 1.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 BEVVPXXXXXX 11  
 Db 42 BEVVPYPPREW 52  
 |||||:::;  
 ;

## RESULT 2

Q8XWY6 PRELIMINARY; PRT; 88 AA.  
 ID Q8XWY6  
 AC Q8XWY6  
 DT 01-MAR-2002 (TREMBlrel. 20, Created)  
 DT 01-MAR-2002 (TREMBlrel. 20, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE IRSO10-transposase ORFA protein.  
 GN TIRSO10A OR RSC2332 OR RSO1217.  
 OS Ralstonia solanacearum (Pseudomonas solanacearum).  
 OC Bacteria; Proteobacteria; beta subdivision; Ralstonia group;  
 OC Ralstonia.  
 OX NCBI\_TaxID=305;  
 RN [1]

```

RP SEQUENCE FROM N.A.
RC STRAIN=GM11000;
RX MEDLINE=21681879; PubMed=11823852;
RA Salanoubat M., Genin S., Artiguenave F., Gouzy J., Mangenot S.,
RA Ariat M., Billault A., Brottier P., Camus J.C., Cattolico L.,
RA Chandler M., Choise N., Claudel-Renard C., Cunnac S., Demange N.,
RA Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schiex T.,
RA Sigulier P., Thebault P., Whalen M., Wincker P., Levy M.,
RA Weissenbach J., Boucher C.A.;
RT "Genome sequence of the plant pathogen Ralstonia solanacearum.";
RL Nature 415:497-502(2002).
DR EMBL; AL646069; CAD16039.1; -.
DR InterPro; IPR002514; Transposase_8.
DR Pfam; PF01527; Transposase_8; 1.
KW Complete proteome.
SQ SEQUENCE 88 AA; 9938 MW; 8DCEC8876DD05734 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 88;
Best Local Similarity 45.5%; Pred. No. 1.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 32 EEVVPASELAE 42

RESULT 3
Q9L313 ID Q9L313 PRELIMINARY; PRT; 95 AA.
AC Q9L313;
DT 01-OCT-2000 (TREMBlrel. 15, Created)
DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)
DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE DNA mismatch repair protein (Fragment).
GN HEXB.
OS Streptococcus mitis.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=28037;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=764;
RX MEDLINE=20143749; PubMed=10678950;
RA Whatmore A.M., Efstathiou A., Pickerill A.P., Broughton K.,
RA Woodard G., Sturgeon D., George R., Dowson C.G.;
RT "Genetic relationships between clinical isolates of Streptococcus
RT pneumoniae, Streptococcus oralis, and Streptococcus mitis:
RT characterisation of 'atypical' pneumococci and organisms allied to S.
RT mitis harbouring S. pneumoniae virulence factor encoding genes.";
RL Infect. Immun. 68:1374-1382(2000).
DR EMBL; AJ390864; CAB71557.1; -.
DR HSP; P23367; 1B63.
DR InterPro; IPR002099; DNA_mis_repair.
DR PROSITE; PS00058; DNA_MISMATCH_REPAIR_1; UNKNOWN_1.
FT NON_TER 1
FT NON_TER 95
SQ SEQUENCE 95 AA; 10088 MW; 9ED8F45F512908D4 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 95;
Best Local Similarity 45.5%; Pred. No. 1.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 71 EEVVPATSPVG 81

RESULT 4
Q9L301 ID Q9L301 PRELIMINARY; PRT; 95 AA.
AC Q9L301;
DT 01-OCT-2000 (TREMBlrel. 15, Created)
DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)

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DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE DNA mismatch repair protein (Fragment).
GN HEXB.
OS Streptococcus pneumoniae.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=1313;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=COL5;
RX MEDLINE=20143749; PubMed=10678950;
RA Whatmore A.M., Efstathiou A., Pickerill A.P., Broughton K.,
RA Woodard G., Sturgeon D., George R., Dowson C.G.;
RT "Genetic relationships between clinical isolates of Streptococcus
RT pneumoniae, Streptococcus oralis, and Streptococcus mitis:
RT characterisation of 'atypical' pneumococci and organisms allied to S.
RT mitis harbouring S. pneumoniae virulence factor encoding genes.";
RL Infect. Immun. 68:1374-1382(2000).
DR EMBL; AJ390878; CAB71677.1; -.
DR HSP; P23367; 1B63.
DR InterPro; IPR002099; DNA_mis_repair.
DR PROSITE; PS00058; DNA_MISMATCH_REPAIR_1; UNKNOWN_1.
FT NON_TER 1
FT NON_TER 95
SQ SEQUENCE 95 AA; 10061 MW; 9ECD2E6F512908D4 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 95;
Best Local Similarity 45.5%; Pred. No. 1.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 71 EEVVPATSPVG 81

RESULT 5
Q22828 ID Q22828 PRELIMINARY; PRT; 97 AA.
AC Q22828;
DT 01-NOV-1996 (TREMBlrel. 01, Created)
DT 01-NOV-1996 (TREMBlrel. 01, Last sequence update)
DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE T27A8.4 protein.
GN T27A8.4.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RA Gardner A.E.;
RL Submitted (NOV-1995) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=99069613; PubMed=9851916;
RA none;
RT "Genome sequence of the nematode C.elegans: A platform for
RT investigating biology.";
RL Science 282:2012-2018(1998).
DR EMBL; Z68134; CAA92225.1; -.
SQ SEQUENCE 97 AA; 11021 MW; 61761FB34F60B178 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 97;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 23 EEVWPGETSG 33

RESULT 6
Q96X42

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ID Q96X42      PRELIMINARY;      PRT; 108 AA.
AC Q96X42;
DT 01-DEC-2001 (TReMBLrel. 19, Created)
DT 01-DEC-2001 (TReMBLrel. 19, Last sequence update)
DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)
DE Thiorodoxin reductase (Fragment).
OS Coccidioides immitis.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Onygenales; mitosporic Onygenales; Coccidioides.
OX NCBI_TaxID=5501;
RN [1]
RP SEQUENCE FROM N.A.
RC
RX Delgado N., Cole G.T.;
RA "Identification of differentially expressed genes in Coccidioides
RT immitis.";
RA Submitted (APR-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF261770; AAK49410.1; -.
FT NON_TER 1
FT NON_TER 108
SQ SEQUENCE 108 AA; 11477 MW; 83F219C23FF86FC6 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 108;
Best Local Similarity 45.5%; Pred. No. 2.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 55 EEVVPANGLEY 65

RESULT 7
Q97U46      PRELIMINARY;      PRT; 108 AA.
ID Q97U46;
AC Q97U46;
DT 01-OCT-2001 (TReMBLrel. 18, Created)
DT 01-OCT-2001 (TReMBLrel. 18, Last sequence update)
DT 01-OCT-2001 (TReMBLrel. 18, Last annotation update)
DE Hypothetical protein SSO3178.
GN SSO3178.
OS Sulfolobus solfataricus.
OC Archaea; Crenarchaeota; Thermoprotei; Sulfolobales; Sulfolobaceae;
OC Sulfolobus.
OX NCBI_TaxID=2287;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=ATCC 35092 / DSM 1617 / P2;
RX MEDLINE=21322296; PubMed=11427726;
RA She Q., Singh R.K., Confalonieri F., Zivanovic Y., Allard G.,
RA Awayez M.J., Chan-Weiher C.C.-Y., Clausen I.G., Curtis B.A.,
RA De Moors A., Erasuo G., Fletcher C., Gordon P.M.K.,
RA Heikamp-de Jong I., Jeffries A.C., Kozera C.J., Medina N., Peng X.,
RA Thi-Ngoc H.P., Redder P., Schenk M.E., Theriault C., Tolstrup N.,
RA Charlebois R.L., Doolittle W.F., Duguet M., Gaasterland T.,
RA Garrett R.A., Ragan M.A., Senses C.W., Van der Oost J.;
RT "The complete genome of the crenarchaeon Sulfolobus solfataricus P2.";
RL Proc. Natl. Acad. Sci. U.S.A. 98:7835-7840(2001).
DR EMBL; AE006907; AAK43276.1; -.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 108 AA; 12316 MW; 2162BEA4D1B550D9 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 108;
Best Local Similarity 45.5%; Pred. No. 2.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 54 EEVVPPEICR 64

RESULT 8
Q9CC43
ID Q9CC43      PRELIMINARY;      PRT; 111 AA.
AC Q9CC43;

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DT 01-JUN-2001 (TReMBLrel. 17, Created)
DT 01-JUN-2001 (TReMBLrel. 17, Last sequence update)
DT 01-OCT-2001 (TReMBLrel. 18, Last annotation update)
DE Hypothetical protein ML1296.
GN ML1296.
OS Mycobacterium leprae.
OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
OC Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.
OX NCBI_TaxID=1769;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=IN;
RX MEDLINE=21128732; PubMed=11234002;
RA Cole S.T., Eigmeier K., Parkhill J., James K.D., Thomson N.R.,
RA Wheeler P.R., Honore N., Garnier T., Churcher C., Harris D.,
RA Mungall K., Basham D., Brown D., Chillingworth T., Connor R.,
RA Davies R.M., Devlin K., Duthoy S., Feltwell T., Fraser A., Hamlin N.,
RA Holtroyd S., Hornsby T., Jagels K., Lacroix C., Maclean J., Moule S.,
RA Murphy L., Oliver K., Quail M.A., Rajandream M.A., Rutherford K.M.,
RA Rutter S., Seeger K., Simon S., Simmonds M., Skelton J., Squares R.,
RA Squares S., Stevens K., Taylor K., Whitehead S., Woodward J.R.,
RA Barrell B.G.;
RT "Massive gene decay in the leprosy bacillus.";
RL Nature 409:1007-1011(2001).
DR EMBL; AL583921; CAC31677.1; -.
KW Leproma; ML1296; -.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 111 AA; 12349 MW; 77648FB400274E36 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 111;
Best Local Similarity 45.5%; Pred. No. 2.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 74 EEVVPFIRGL 84

RESULT 9
Q96B37      PRELIMINARY;      PRT; 118 AA.
ID Q96B37;
AC Q96B37;
DT 01-DEC-2001 (TReMBLrel. 19, Created)
DT 01-DEC-2001 (TReMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TReMBLrel. 19, Last annotation update)
DE Hypothetical 12.4 kDa protein (Fragment).
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=SKIN;
RA Strausberg R.;
RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC016037; AAH16037.1; -.
KW Hypothetical protein.
FT NON_TER 1
FT NON_TER 1
SQ SEQUENCE 118 AA; 12422 MW; 169C402A687D2B4D CRC64;

Query Match 100.0%; Score 31; DB 4; Length 118;
Best Local Similarity 45.5%; Pred. No. 2.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 29 EEVVPALPTE 39

RESULT 10
Q8R404
ID Q8R404      PRELIMINARY;      PRT; 119 AA.
AC Q8R404;

```

DT	01-JUN-2002 (TrEMBLrel. 21, Last annotation update)	
DN	ISR5010-transposase ORFA protein.	
DE	TIKRS010A OR RSP0566 OR RS03912.	
GG	Ralstonia solanacearum (Pseudomonas solanacearum).	
OG	Plasmid megaplasmid.	
OC	Bacteria; Proteobacteria; beta subdivision; Ralstonia group;	
OC	Ralstonia.	
OX	NCBI_TaxID=305;	
RN	[1]	
RR	SEQUENCE FROM N.A.	
RC	STRAIN=GM11000;	
RC	MEDLINE=21681879; PubMed=11823852;	
RA	Salanoubat M., Genin S., Artiguenave F., Guzy J., Mangenot S.,	
RA	Arlat M., Billault A., Brottier P., Camus J.C., Cattolico L.,	
RA	Chandler M., Choise N., Claudel-Renard C., Cunnac S., Demange N.,	
RA	Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schlex T.,	
RA	Siguiet P., Thebaud P., Whalen M., Wincker P., Levy M.,	
RA	Weissenbach J., Boucher C.A.;	
RT	"Genome sequence of the plant pathogen Ralstonia solanacearum.";	
RL	Nature 415:497-502(2002).	
RL	EMBL; AL646079; CAD17717.1; -.	
DR	InterPro; IPR002514; Transposase_8.	
DR	Pfam; PF01527; Transposase_8; 1.	
KW	Plasmid; Complete proteome.	
SQ	SEQUENCE 122 AA; 13873 MW; 48DB181B0A808379 CRC64;	
	Query Match 100.0%; Score 31; DB 16; Length 122;	
	Best Local Similarity 45.5%; Pred.No. 2.3e+02;	
	Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;	
QY	1 EEVVPXXXXXX 11	
	:    :	
Db	66 EEVVPASAE 76	
RESULT 13		
ID	Q8XG16 PRELIMINARY; PRT; 122 AA.	
AC	Q8XG16;	
DT	01-WAR-2002 (TrEMBLrel. 20, Created)	
DT	01-WAR-2002 (TrEMBLrel. 20, Last sequence update)	
DT	01-JUN-2002 (TrEMBLrel. 21, Last annotation update)	
DE	ISR5010-transposase ORFA protein.	
GN	TIKRS010A OR RSP0461 OR RSC1434 OR RS05904.	
OG	Ralstonia solanacearum (Pseudomonas solanacearum).	
OC	Plasmid megaplasmid.	
OC	Bacteria; Proteobacteria; beta subdivision; Ralstonia group;	
OC	Ralstonia.	
OX	NCBI_TaxID=305;	
RN	[1]	
RR	SEQUENCE FROM N.A.	
RC	STRAIN=GM11000; PLASMID=MEGAPLASMID;	
RC	MEDLINE=21681879; PubMed=11823852;	
RA	Salanoubat M., Genin S., Artiguenave F., Guzy J., Mangenot S.,	
RA	Arlat M., Billault A., Brottier P., Camus J.C., Cattolico L.,	
RA	Chandler M., Choise N., Claudel-Renard C., Cunnac S., Demange N.,	
RA	Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schlex T.,	
RA	Siguiet P., Thebaud P., Whalen M., Wincker P., Levy M.,	
RA	Weissenbach J., Boucher C.A.;	
RT	"Genome sequence of the plant pathogen Ralstonia solanacearum.";	
RL	Nature 415:497-502(2002).	
RL	EMBL; AL646078; CAD17612.1; -.	
DR	InterPro; IPR002514; Transposase_8.	
DR	Pfam; PF01527; Transposase_8; 1.	
KW	Plasmid; Complete proteome.	
SQ	SEQUENCE 122 AA; 13941 MW; 3A4E1EBE3BB108CD CRC64;	
	Query Match 100.0%; Score 31; DB 16; Length 122;	
	Best Local Similarity 45.5%; Pred.No. 2.3e+02;	
	Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;	
QY	1 EEVVPXXXXXX 11	



XX MEDLINE=21396508; PubMed=11481431;  
RA Finan T.M., Weidner S., Wong K., Buhrmester J., Chain P.,  
RA Vorhoelter F.J., Hernandez-Lucas I., Becker A., Gouzy J.,  
RA Golding B., Puehler A.;  
RT "the complete sequence of the 1,683-kb pSymb megaplasmid from the N2-  
RT fixing endosymbiont Sinorhizobium meliloti.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9889-9894(2001).  
RN [5]  
RP SEQUENCE FROM N.A.  
RC STRAIN=1021; PLASMID=PSYMA (MEGAPLASMID 1);  
RX MEDLINE=21396509; PubMed=11481432;  
RA Barnett M.J., Fisher R.F., Jones T., Komp C., Abola A.P.,  
RA Barloy-Hubler F., Bowser L., Capella D., Galibert F., Gouzy J.,  
RA Gurjal M., Hong A., Huizar L., Hyman R.W., Kahn D., Kahn M.L.,  
RA Kalman S., Keating D.H., Palm C., Peck M.C., Surzycki R., Wells D.H.,  
RA Yeh K.-C., Davis R.W., Federspiel N.A., Long S.R.;  
RT "Nucleotide sequence and predicted functions of the entire  
RT Sinorhizobium meliloti pSYMA megaplasmid.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9883-9888(2001).  
RN [6]  
RP SEQUENCE FROM N.A.  
RC STRAIN=1021;  
RX MEDLINE=21396507; PubMed=11481430;  
RA Capella D., Barloy-Hubler F., Gouzy J., Bothe G., Ampe F., Batut J.,  
RA Boistard P., Becker A., Boutry M., Cadieu E., Dreano S., Gloux S.,  
RA Godrie T., Goffeau A., Kahn D., Kiss E., Lelaure V., Masuy D.,  
RA Pohl T., Portetelle D., Puehler A., Purnelle B., Ramsperger U.,  
RA Renard C., Thebault P., Vandenbol M., Weidner S., Galibert F.;  
RT "Analysis of the chromosome sequence of the legume symbiont  
RT Sinorhizobium meliloti strain 1021.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9877-9882(2001).  
DR EMBL; X56563; CAA39914.1; -;  
DR EMBL; AF126537; AAD28751.1; -;  
DR EMBL; AL603646; CAC49616.1; -;  
DR EMBL; AE007216; AAK64891.1; -;  
DR EMBL; AL591784; CAC45173.1; -;  
DR EMBL; AL591793; CAC47719.1; -;  
DR EMBL; AL591793; CAC47860.1; -;  
DR InterPro; IPR002514; Transposase\_8.  
DR Pfam; PF01527; Transposase\_8; 1.  
KW Plasmid; Complete proteome.  
SQ SEQUENCE 130 AA; 14493 MW; 66241BA185DDBB0 CRC64;  
  
Query Match 100.0%; Score 31; DB 16; Length 130;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db |||||:||||:|  
72 EEVVPASEYRA 82  
  
RESULT 17  
Q9RTF7 PRELIMINARY; PRT; 134 AA.  
AC Q9RTF7  
DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE Hypothetical protein DRI807.  
GN DRI807.  
OS Deinococcus radiodurans.  
OC Bacteria; Thermus/Deinococcus group; Deinococci; Deinococcales;  
OC Deinococcaceae; Deinococcus.  
OX NCBI\_TaxID=1299;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=R1;  
RX MEDLINE=20036896; PubMed=10567266;  
RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,  
RA Dodson R.J., Hart D.H., Gwinn M.B., Nelson W.C., Richardson D.L.,  
RA Moffat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,  
RA Vamathevan J.J., Lam P., McDonald L., Utterback T., Zalewski C.,

RA Makarova K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,  
RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,  
RA Fraser C.M.;  
RT "Genome sequence of the radioresistant bacterium Deinococcus  
RT radiodurans R1.";  
RL Science 286:1571-1577(1999).  
DR EMBL; AE002021; AAF11359.1; -;  
DR TIGR; DRI807; -;  
KW Hypothetical protein; Complete proteome.  
SQ SEQUENCE 134 AA; 14937 MW; 694B4E4C6283E9DA CRC64;  
  
Query Match 100.0%; Score 31; DB 16; Length 134;  
Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db |||||:||||:|  
89 EEVVPVLTLEH 99  
  
RESULT 18  
Q92VG7 PRELIMINARY; PRT; 138 AA.  
AC Q92VG7  
DT 01-DEC-2001 (TrEMBLrel. 19, Created)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE Probable transposase of insertion sequence ISRml orfa  
DE protein.  
GN TRM1A OR RB0738 OR SMB21234.  
OS Rhizobium meliloti (Sinorhizobium meliloti).  
OX Plasmid pSymb (megaplasmid 2).  
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;  
OC Rhizobiaceae; Sinorhizobium.  
OX NCBI\_TaxID=382;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=1021;  
RX MEDLINE=21396508; PubMed=11481431;  
RA Finan T.M., Weidner S., Wong K., Buhrmester J., Chain P., Gouzy J.,  
RA Vorhoelter F.J., Hernandez-Lucas I., Becker A., Gouzy J.,  
RA Golding B., Puehler A.;  
RT "the complete sequence of the 1,683-kb pSymb megaplasmid from the N2-  
RT fixing endosymbiont Sinorhizobium meliloti.";  
RL Proc. Natl. Acad. Sci. U.S.A. 98:9889-9894(2001).  
DR EMBL; AL603644; CAC49138.1; -;  
DR InterPro; IPR002514; Transposase\_8.  
DR Pfam; PF01527; Transposase\_8; 1.  
KW Plasmid; Complete proteome.  
SQ SEQUENCE 138 AA; 15308 MW; D8ABEF6ED31BF18C CRC64; 1;  
  
Query Match 100.0%; Score 31; DB 16; Length 138;  
Best Local Similarity 45.5%; Pred. No. 2.7e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXXX 11  
Db |||||:||||:|  
80 EEVVPASEYRA 90  
  
RESULT 19  
Q49782 PRELIMINARY; PRT; 150 AA.  
AC Q49782  
DT 01-NOV-1996 (TrEMBLrel. 01, Created)  
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
DE B2126\_C2.188.  
OS Mycobacterium leprae.  
OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;  
OC Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.  
OX NCBI\_TaxID=1769;  
RN [1]

```

RX SEQUENCE FROM N.A.
RA Smith D.R.;
RL Submitted (JAN-1994) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RA Robison K.;
RL Submitted (MAR-1994) to the EMBL/GenBank/DBJ databases.
DR EMBL; U00017; AAA17192.1; -.
SQ SEQUENCE 150 AA; 17061 MW; 99A16F8B3E543395 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 150;
Best Local Similarity 45.5%; Pred. No. 2.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:|:|:|:|
Db 113 EEVVPRAIRGL 123

RESULT 20
Q8XNC6 PRELIMINARY; PRT; 164 AA.
AC Q8XNC6;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Homology to recE (exovIII) in E. coli.
GN STM1870.
OS Salmonella typhimurium.
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
OC Salmonella.
OX NCBI_TaxID=602;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-LT2 / SGSC1412 / ATCC 700720;
RX MEDLINE-21534948; PubMed-11677609;
RA McClelland M., Sanderson K.E., Spieth J., Clifton S.W., Latreille P.,
RA Courtney L., Porwollik S., Ali J., Dante M., Du F., Hou S., Layman D.,
RA Leonard S., Nguyen C., Scott K., Holmes A., Grewal N., Mulvaney E.,
RA Ryan E., Sun H., Florea L., Miller W., Stoneking T., Nhan M.,
RA Waterston R., Wilson R.K.;
RT "Complete genome sequence of Salmonella enterica serovar Typhimurium
RT LT2."
RL Nature 413:852-856(2001).
DR EMBL; AE008783; AAL20786.1; -.
KW Complete proteome.
SQ SEQUENCE 164 AA; 17888 MW; 10A1E22545746FE3 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 164;
Best Local Similarity 45.5%; Pred. No. 3.2e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:|:|:|:|
Db 87 EEVVPBGKQPA 97

RESULT 21
Q8XNC6 PRELIMINARY; PRT; 165 AA.
AC Q8XNC6;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Sprt protein.
GN SPRT OR Z4289 OR ECS3820.
OS Escherichia coli O157:H7.
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
OC Escherichia.
OX NCBI_TaxID=83334;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-O157:H7 / EDL933 / ATCC 700927;

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RX MEDLINE-21074935; PubMed-11206551;
RA Perna N.T., Plunkett G. III, Burland V., Mau B., Glasner J.D.,
RA Rose D.J., Mayhew G.F., Evans P.S., Gregor J., Kirkpatrick H.A.,
RA Posfai G., Hackett J., Klink S., Boutin A., Shao Y., Miller L.,
RA Grobeck E.J., Davis N.W., Lim A., Dimalanta E.T., Potamousis K.,
RA Apodaca J., Anantharaman T.S., Lin J., Yen G., Schwartz D.C.,
RA Welch R.A., Blattner F.R.;
RT "Genome sequence of enterohaemorrhagic Escherichia coli O157:H7."
RL Nature 409:529-533(2001).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN-O157:H7 / RIMD 0509952;
RX MEDLINE-21156231; PubMed-11258796;
RA Hayashi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoyama K.,
RA Han C.-G., Ohtsubo E., Nakayama K., Murata T., Tanaka M., Tobe T.,
RA Iida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunaga T.,
RA Kuhara S., Shiba T., Hattori M., Shinagawa H.;
RT "Complete genome sequence of enterohaemorrhagic Escherichia coli
RT O157:H7 and genomic comparison with a laboratory strain K-12."
RL DNA Res. 8:11-22(2001).
DR EMBL; AE005525; AAG58075.1; -.
DR EMBL; AP002563; BAB37243.1; -.
DR InterPro; IPR00130; Zn_MTpeptidse.
DR PROSITE; PS00142; ZINC_PROTEASE; UNKNOWN_1.
KW Complete proteome.
SQ SEQUENCE 165 AA; 19252 MW; E414A3989BD721A9 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 165;
Best Local Similarity 45.5%; Pred. No. 3.2e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
    |||||:|:|:|:|
Db 73 EEVVPHELAHL 83

RESULT 22
Q97SZ6 PRELIMINARY; PRT; 185 AA.
AC Q97SZ6;
DT 01-OCT-2001 (TrEMBLrel. 18, Created)
DT 01-OCT-2001 (TrEMBLrel. 18, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Flavoprotein.
GN SP0165.
OS Streptococcus pneumoniae.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=1313;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-TIGR4;
RX MEDLINE-21357209; PubMed-11463916;
RA Tettelin H., Nelson K.E., Paulsen I.T., Eisen J.A., Read T.D.,
RA Peterson S., Heidelberg J., DeBoy R.T., Haft D.H., Dodson R.J.,
RA Durkin A.S., Gwinn M., Kolonay J.F., Nelson W.C., Peterson J.D.,
RA Umayam L.A., White O., Salzberg S.L., Lewis M.R., Radune D.,
RA Holtzapple E., Khouri H., Wolf A.M., Utterback T.R., Hansen C.L.,
RA McDonald L.A., Feldblyum T.V., Angiuoli S., Dickenson T., Hickey E.K.,
RA Holt I.E., Loftus B.J., Yang F., Smith H.O., Venter J.C.,
RA Dougherty B.A., Morrison D.A., Hollingshead S.K., Fraser C.M.;
RT "Complete genome sequence of a virulent isolate of Streptococcus
RT pneumoniae."
RL Science 293:498-506(2001).
DR EMBL; AE007332; AAK74347.1; -.
DR TIGR; SP0165; -.
DR InterPro; IPR003382; Flavoprotein.
DR Pfam; PF02441; Flavoprotein; 1.
KW Complete proteome.
SQ SEQUENCE 185 AA; 21038 MW; 1E55EEDD00493524 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 185;
Best Local Similarity 45.5%; Pred. No. 3.6e+02;

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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 63 EEVPHVLPY 73

## RESULT 23

Q8RE64

ID Q8RE64 PRELIMINARY; PRT; 197 AA.

AC Q8RE64;  
 DT 01-JUN-2002 (TREMBlrel. 21, Created)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)  
 DE Uracil-DNA glycosylase.  
 GN FN1259.

OS Fusobacterium nucleatum (subsp. nucleatum).

OC Bacteria; Fusobacteria; Fusobacterium.

OX NCBI\_TaxID=76856;

RN [1]

RP STRAIN=ATCC 2586;

RX MEDLINE=21886394; PubMed=11889109;

RA Kapatral V., Anderson I., Ivanova N., Reznik G., Los T., Lykidis A.,  
 RA Bhattacharya A., Bartman A., Gardner W., Grechkin G., Zhu L.,  
 RA Vasileva O., Chu L., Kogan Y., Chaga O., Goltzman E., Bernal A.,  
 RA Larsen N., D'Souza M., Walunas T., Pusch G., Haselkorn R.,  
 RA Fongstein M., Kyrpides N., Overbeek R.;  
 FT "Genome sequence and analysis of the oral bacterium Fusobacterium  
 RT nucleatum strain ATCC 2586.";  
 RL J. Bacteriol. 184:2005-2018(2002).

DR EMBL; AE010631; AAL95455.1; -

KW Complete proteome.

SQ SEQUENCE 197 AA; 23058 MW; 987F2B0F2CA4590B CRC64;

Query Match 100.0%; Score 31; DB 16; Length 197;

Best Local Similarity 45.5%; Pred. No. 3.9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 181 EEVPTLDMV 191

## RESULT 24

Q8TTX1

ID Q8TTX1 PRELIMINARY; PRT; 200 AA.

AC Q8TTX1;  
 DT 01-JUN-2002 (TREMBlrel. 21, Created)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)  
 DE Formylmethanofuran dehydrogenase, subunit E.  
 GN FMDE OR MA0304.

OS Methanosarcina acetivorans.

OC Archaea; Euryarchaeota; Methanococci; Methanosarcinales;

OC Methanosarcinaceae; Methanosarcina.

OX NCBI\_TaxID=22114;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=C2A / ATCC 35395 / DSM 2834;

RX MEDLINE=21929760; PubMed=11932238;

RA Galagan J.E., Nusbaum C., Roy A., Endrizzi M.G., Macdonald P.,  
 RA FitzHugh W., Calvo S., Engels R., Smirnov S., Atnoor D., Brown A.,  
 RA Allen N., Naylor J., Stange-Thomann N., DeArelano K., Johnson R.,  
 RA Linton L., McEwan P., McKernan K., Talanas J., Tirrell A., Ye W., A.M.,  
 RA Zimmer A., Barber R.D., Cann I., Graham D.E., Grahame D.A., Guss A.M.,  
 RA Hedderich R., Ingram-Smith C., Kuettnner H.C., Krzycki J.A.,  
 RA Leigh J.A., Li W., Liu J., Mukhopadhyay B., Reeve J.N., Smith K.,  
 RA Springer T.A., Unayam L.A., White O., White R.H., de Macario E.C.,  
 RA Ferry J.G., Jarrell K.F., Jing H., Macario A.J.L., Paulsen I.,  
 RA Pritchett M., Sowers K.R., Swanson R.V., Zinder S.H., Lander E.,  
 RA Metcalf W.W., Birren B.;

RT "The genome of Methanosarcina acetivorans reveals extensive metabolic

RT and physiological diversity.";  
 RL Genome Res. 12:532-542(2002).  
 DR EMBL; AE010689; AAM03757.1; -  
 KW Complete proteome.  
 SQ SEQUENCE 200 AA; 22453 MW; D4B4B92A2CEE6C59 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 200;

Best Local Similarity 45.5%; Pred. No. 3.9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 145 EEVPIILAAG 155

## RESULT 25

Q25985

ID Q25985 PRELIMINARY; PRT; 201 AA.

AC Q25985;  
 DT 01-NOV-1996 (TREMBlrel. 01, Created)  
 DT 01-NOV-1996 (TREMBlrel. 01, Last sequence update)  
 DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)  
 DE Beta-galactosidase fusion protein (Fragment).

OS Plasmodium falciparum.

OC Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.

OX NCBI\_TaxID=5833;

RN [1]

RP SEQUENCE FROM N.A.

RX MEDLINE=85012681; PubMed=6090935;

RA Koenen M., Scherf A., Mercereau O., Langsley G.W., Sibilli L.,  
 RA Dubois P., Pereira da Silva L., Mueller-Hill B.;

RT "Human antisera detect a Plasmodium falciparum genomic clone encoding

RT a nonapeptide repeat.";  
 RL Nature 311:382-385(1984).

DR EMBL; M32153; AAA29711.1; -

FT NON\_TER 1

FT NON\_TER 201

SQ SEQUENCE 201 AA; 22867 MW; 5080C6163E78BE2F CRC64;

Query Match 100.0%; Score 31; DB 5; Length 201;

Best Local Similarity 45.5%; Pred. No. 3.9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 5 EEVVPDELVEE 15

## RESULT 26

Q95KZ7

ID Q95KZ7 PRELIMINARY; PRT; 208 AA.

AC Q95KZ7;  
 DT 01-DEC-2001 (TREMBlrel. 19, Created)  
 DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE AlphaS1-casein.

OS Equus caballus (Horse).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Perissodactyla; Equidae; Equus.

OX NCBI\_TaxID=9796;

RN [1]

RP SEQUENCE FROM N.A.

RA Milenkovic D., Martin P., Guerin G., Leroux C.;

RT "Horse specific pattern of alphaS1-casein RNA splicing and genomic

RT characterization of the relevant locus.";  
 RL Submitted (Aug-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AY049939; AAL05435.1; -

DR InterPro; IPR001588; Casein.

DR PROSITE; PS00306; CASEIN ALPHA. BETA; UNKNOWN.1.

SQ SEQUENCE 208 AA; 24689 MW; 0CC6C409489C589C CRC64;

Query Match 100.0%; Score 31; DB 6; Length 208;

Best Local Similarity 45.5%; Pred. No. 4.1e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 97 EEVVPINTEKR 107

## RESULT 27

Q8SPR1 ID Q8SPR1 PRELIMINARY; PRT; 212 AA.  
AC Q8SPR1;  
DT 01-JUN-2002 (TREMBLrel. 21, Created)  
DT 01-JUN-2002 (TREMBLrel. 21, Last sequence update)  
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE Alpha sl casein.  
OS Equus caballus (Horse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Perissodactyla; Equidae; Equus.  
OX NCBI\_TaxID=9796;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Lenasi T., Rogelj I., Dovc P.;  
RT "Equus caballus alpha-sl-casein (asi-CN) mRNA."  
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AY040862; AAK83668.1; -. 578F72EA76E26E6E CRC64;  
SQ SEQUENCE 212 AA; 25305 MW; 578F72EA76E26E6E CRC64;

Query Match 100.0%; Score 31; DB 6; Length 212;  
Best Local Similarity 45.5%; Pred. No. 4.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 89 EEVVPINTEQK 99

## RESULT 28

Q9L577 ID Q9L577 PRELIMINARY; PRT; 222 AA.  
AC Q9L577;  
DT 01-OCT-2000 (TREMBLrel. 15, Created)  
DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)  
DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)  
DE Pspa (Fragment).  
GN PSPA.  
OS Streptococcus pneumoniae.  
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
OC Streptococcaceae; Streptococcus.  
OX NCBI\_TaxID=1313;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA STRAIN=130;  
RX MEDLINE=20472698; PubMed=11015380;  
RA Reali B., Gherardi G., Facklam R.R., Hollingshead S.K.;  
RT "Pneumococcal pspa Sequence Types of Prevalent Multiresistant  
RT Pneumococcal Strains in the United States and of Internationally  
RT Disseminated Clones."  
RL J. Clin. Microbiol. 38:3663-3669(2000).  
DR EMBL; AF255550; AAF68103.1; -.  
DR InterPro; IPR002965; P-rich\_extensn.  
DR PRINTS; PR01217; PRICHEXTENS.  
FT NON\_TER 1  
FT NON\_TER 222  
SQ SEQUENCE 222 AA; 24558 MW; 6D7EB7842FE9F2A6 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 222;  
Best Local Similarity 45.5%; Pred. No. 4.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 3 EEVVPQAKIAE 13

## RESULT 29

Q01680 ID Q01680 PRELIMINARY; PRT; 224 AA.  
AC Q01680;  
DT 01-NOV-1996 (TREMBLrel. 01, Created)  
DT 01-NOV-1996 (TREMBLrel. 01, Last sequence update)  
DT 01-MAR-2002 (TREMBLrel. 20, Last annotation update)  
DE Plasma membrane H(+)-ATPase (Fragment).  
GN PMA.  
OS Pneumocystis carinii.  
OC Eukaryota; Fungi; Ascomycota; Pneumocystidomycetes; Pneumocystidaceae;  
OC Pneumocystis.  
OX NCBI\_TaxID=4754;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=PROTOTYPE;  
RA Garbe T.R., Stringer J.R.;  
RT "Molecular characterization of P. carinii antigens in natural  
RT infection."  
RL Submitted (NOV-1994) to the EMBL/GenBank/DBJ databases.  
DR EMBL; U17118; AAG67759.1; -.  
DR InterPro; IPR001757; ATPase\_E1-E2.  
DR InterPro; IPR004014; Cation\_ATPase.  
DR InterPro; IPR002048; EF-hand.  
DR Pfam; PF00690; Cation\_ATPase\_N; 1.  
DR Pfam; PF00122; E1-E2\_ATPase; 1.  
DR PROSITE; PS00018; EF\_HAND; UNKNOWN\_1.  
FT NON\_TER 1  
FT NON\_TER 224  
SQ SEQUENCE 224 AA; 24702 MW; 0D185921B960FC9E CRC64;

Query Match 100.0%; Score 31; DB 3; Length 224;  
Best Local Similarity 45.5%; Pred. No. 4.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 151 EEVVPDILQL 161

## RESULT 30

Q9Z195 ID Q9Z195 PRELIMINARY; PRT; 237 AA.  
AC Q9Z195;  
DT 01-MAY-1999 (TREMBLrel. 10, Created)  
DT 01-MAY-1999 (TREMBLrel. 10, Last sequence update)  
DT 01-MAR-2002 (TREMBLrel. 20, Last annotation update)  
DE Putative response regulator.  
GN RRP3.  
OS Lactobacillus sakei.  
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
OC Lactobacillaceae; Lactobacillus.  
OX NCBI\_TaxID=1599;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=23K;  
RA Morel-Deville F., Fauvel F., Morel P.;  
RL Submitted (DEC-1997) to the EMBL/GenBank/DBJ databases.  
CC -1- SIMILARITY: TO OTHER BACTERIAL REGULATORY PROTEINS INVOLVED IN  
CC SIGNAL TRANSDUCTION.  
DR EMBL; AF036966; AAD10263.1; -.  
DR HSSP; P08402; 1B00.  
DR InterPro; IPR001789; Response\_reg.  
DR InterPro; IPR001867; Trans\_reg\_C.  
DR Pfam; PF00072; response\_reg; 1.  
DR Pfam; PF00486; trans\_reg\_C; 1.  
DR ProDom; PD000039; Response\_reg; 1.  
DR ProDom; PD000329; Trans\_reg\_C; 1.  
DR SMART; SM00448; REC; 1.  
KW DNA-binding; Phosphorylation; Sensory transduction;  
KW Transcription regulation.  
SQ SEQUENCE 237 AA; 27312 MW; 1A2A18C4803B5AE1 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 237;  
Best Local Similarity 45.5%; Pred. No. 4.7e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 43 EEVVPDLILLD 53

## RESULT 31

Q9PGT4 PRELIMINARY; PRT; 240 AA.  
AC Q9PGT4;  
DT 01-OCT-2000 (TrEMBLrel. 15, Created)  
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE Hypothetical protein XF0214.  
GN XF0214.  
OS Xylella fastidiosa.  
OC Bacteria; Proteobacteria; gamma subdivision; Xanthomonas group;  
OC Xylella.  
OX NCBI\_TaxID=2371;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=9A5C;  
RX MEDLINE=20365717; PubMed=10910347;  
RA Simpson A.J.G., Reinach F.C., Arruda P., Abreu F.A., Acencio M.,  
RA Alvarenga R., Alves L.M.C., Araya J.E., Baia G.S., Baptista C.S.,  
RA Barros M.H., Bonaccorsi E.D., Bordin S., Bove J.M., Briones M.R.S.,  
RA Bueno M.R.P., Camargo A.A., Camargo L.E.A., Carraro D.M., Carrer H.,  
RA Colauto N.B., Colombo C., Costa F.F., Costa M.C.R., Costa-Neto C.M.,  
RA Coutinho L.L., Cristofani M., Dias-Neto E., Docena C., El-Dorry H.,  
RA Facincani A.P., Ferreira A.J.S., Ferreira V.C.A., Perito J.A.,  
RA Fraga J.S., Franca S.C., Franco M.C., Frohme M., Furlan L.R.,  
RA Garnier M., Goldman G.H., Goldman M.H.S., Gomes S.L., Gruber A.,  
RA Ho P.L., Hohensel J.D., Junqueira M.L., Kemper E.L., Kitajima J.P.,  
RA Krieger J.E., Kuramae E.E., Laigret F., Lambais M.R., Leite L.C.C.,  
RA Lenos E.G.M., Lemos M.V.F., Lopes S.A., Lopes C.R., Machado J.A.,  
RA Machado M.A., Madeira A.M.B.N., Madeira H.M.F., Marino C.L.,  
RA Marques M.V., Martins E.A.L., Martins E.M.F., Matsukuma A.Y.,  
RA Menck C.F.M., Miracca E.C., Miyaki C.Y., Monteiro-Vitorello C.B.,  
RA Moon D.H., Nagai M.A., Nascimento A.L.T.O., Netto L.E.S.,  
RA Nhani A. Jr., Nobrega F.G., Nunes L.R., Oliveira M.A.,  
RA de Oliveira M.C., de Oliveira R.C., Palmieri D.A., Paris A.,  
RA Peixoto B.R., Pereira G.A.G., Pereira H.A. Jr., Pesquero J.B.,  
RA Quaggio R.B., Roberto P.G., Rodrigues V., de Rosa A.J.M.,  
RA de Rosa V.E. Jr., de Sa R.G., Santelli R.V., Sawasaki H.E.,  
RA da Silva A.C.R., da Silva A.M., da Silva F.R., Silva W.A. Jr.,  
RA da Silveira J.F., Silvestri M.L.Z., Siqueira W.J., de Souza A.A.,  
RA de Souza A.P., Terenzi M.F., Truffi D., Tsai S.M., Tsubako M.H.,  
RA Vallada H., Van Sluys M.A., Verjovsky-Almeida S., Vettore A.L.,  
RA Zago M.A., Zatz M., Meidanis J., Setubal J.C.;  
RT "the genome sequence of the plant pathogen Xylella fastidiosa.";  
RL Nature 406:151-159(2000).  
DR EMBL; AE003875; AAF83027.1; -;  
DR InterPro; IPR001454; Hignase/Hydrlase.  
DR Pfam; PF00702; Hydrolase; 1.  
KW Hypothetical protein; Complete proteome.  
SQ SEQUENCE 240 AA; 26624 MW; E924B73D4DCFE48E CRC64;

Query Match 100.0%; Score 31; DB 16; Length 240;  
Best Local Similarity 45.5%; Pred. No. 4.7e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 144 EEVVPVIGSSI 154

## RESULT 32

Q9V208 PRELIMINARY; PRT; 250 AA.

Q9V208;  
DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE Glycerophosphoryl diester phosphodiesterase (EC 3.1.4.46).  
GN PAB0180.  
OS Pyrococcus abyssii.  
OC Archaea; Euryarchaeota; Thermococci; Thermococcales; Thermococcaceae;  
OC Pyrococcus.  
OX NCBI\_TaxID=29292;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=ORSAY;  
RT Heilig R.;  
RA "Pyrococcus abyssi genome sequence: insights into archaeal chromosome  
RT structure and evolution.";  
RL Submitted (JUL-1999) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AJ248283; CAB49190.1; -;  
DR InterPro; IPR004129; GDPD.  
DR InterPro; IPR000909; PI\_PLC\_Xdom.  
DR Pfam; PF03009; GDPD; 1.  
DR PROSITE; PS50007; PIPIC\_X\_DOMAIN; 1.  
KW Complete proteome.  
SQ SEQUENCE 250 AA; 28784 MW; B7B267B3219150F8 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 250;  
Best Local Similarity 45.5%; Pred. No. 5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 156 EEVVPMPKLK 166

## RESULT 33

Q93VE7 PRELIMINARY; PRT; 266 AA.  
AC Q93VE7;  
DT 01-DEC-2001 (TrEMBLrel. 19, Created)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
DE A1976820/F28016.19.  
OS Arabidopsis thaliana (Mouse-ear cress).  
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
OX NCBI\_TaxID=3702;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Kim C.J., Chen H., Cheuk R., Koesema E., Meyers M.C., Banh J.,  
RA Bowser L., Carninci P., Dale J.M., Goldsmith A.D., Hayashizaki Y.,  
RA Ishida J., Jiang P.X., Jones T., Kamiya A., Karlin-Neumann G.,  
RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,  
RA Nguyen M., Onodera C.S., Palm C.J., Pham P.K., Quach H.L., Sakurai T.,  
RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,  
RA Yamamura Y., Yu G., Yu S., Shinozaki K., Davis R.W., Theologis A.,  
RA Ecker J.R.;  
RT "Arabidopsis ORF clones.";  
RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.  
RN [2]  
RP SEQUENCE FROM N.A.  
RA Kim C.J., Chen H., Cheuk R., Koesema E., Meyers M.C., Shinn P.,  
RA Banh J., Bowser L., Carninci P., Chung M.K., Goldsmith A.D.,  
RA Hayashizaki Y., Ishida J., Jones T., Kamiya A., Karlin-Neumann G.,  
RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,  
RA Nguyen M., Palm C.J., Pham P.K., Quach H.L., Sakurai T., Sakurai T.,  
RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,  
RA Yu G., Shinozaki K., Davis R.W., Theologis A., Ecker J.R.;  
RT "Arabidopsis cDNA clones.";  
RL Submitted (MAY-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AY056096; AAL06984.1; -;  
DR EMBL; AF380861; AAK55742.1; -;  
SQ SEQUENCE 266 AA; 29717 MW; C7030BE94F04F257 CRC64;

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Query Match      100.0%; Score 31; DB 10; Length 266;
Best Local Similarity 45.5%; Pred. No. 5.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
  |||||:
DB 86 EEVVPDPAFVG 96

RESULT 34
Q9FAG9 PRELIMINARY; PRT; 267 AA.
AC Q9FAG9;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE DNA-directed RNA polymerase subunit D (EC 2.7.7.6) (Fragment).
GN rpoD.
OS Pseudomonas alcaligenes.
OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;
OC Pseudomonas.
OX NCBI_TaxID=43263;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=IFO 14159;
RX MEDLINE=20476413; PubMed=11021915;
RA Yamamoto S., Kasai H., Arnold D.L., Jackson R.W., Vivian A.,
RA Harayama S.;
RT "Phylogeny of the genus Pseudomonas: intragenomic structure
RT reconstructed from the nucleotide sequences of gyrB and rpoD genes.";
RL Microbiology 146:2385-2394(2000).
DR EMBL; AB039606; BAB17576.1; -.
DR HSP; P00579; ISIG.
KW DNA-directed RNA polymerase; Nucleotidyltransferase; Transferase.
FT NON_TER 1
FT NON_TER 267
SQ SEQUENCE 267 AA; 29232 MW; 5A58E7C77D1DB90D CRC64;

Query Match      100.0%; Score 31; DB 2; Length 267;
Best Local Similarity 45.5%; Pred. No. 5.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
  |||||:
DB 69 EEVVPKLKAT 79

RESULT 35
Q29554 PRELIMINARY; PRT; 273 AA.
AC Q29554;
DT 01-JAN-1998 (TrEMBLrel. 05, Created)
DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Hypothetical protein AF0704.
GN AF0704.
OS Archaeoglobus fulgidus.
OC Archaea; Euryarchaeota; Archaeoglobi; Archaeoglobales;
OC Archaeoglobaceae; Archaeoglobus.
OX NCBI_TaxID=2234;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=VC-16 / DSM 4304 / ATCC 49558;
RX MEDLINE=98049343; PubMed=9389475;
RA Klenk H.-P., Clayton R.A., Tomb J.-F., White O., Nelson K.E.,
RA Ketchum K.A., Dodson R.J., Gwinn M., Hickey E.K., Peterson J.D.,
RA Richardson D.L., Kerlavage A.R., Graham D.E., Kyripides N.C.,
RA Fleischmann R.D., Quackenbush J., Lee N.H., Sutton G.G., Gill S.,
RA Kirkness E.F., Dougherty B.A., McKenney K., Adams M.D., Loftus B.,
RA Peterson S., Reich C.I., McNeil L.K., Badger J.H., Glodek A., Zhou L.,
RA Overbeek R., Gocayne J.D., Weidman J.F., McDonald L., Utterback T.,
RA Cotton M.D., Spriggs T., Artiach P., Kaine B.P., Sykes S.M.,

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RA Sadow P.W., D'Andrea K.P., Bowman C., Fujii C., Garland S.A.,
RA Mason T.M., Olsen G.J., Fraser C.M., Smith H.O., Woese C.R.,
RA Venter J.C.;
RT "The complete genome sequence of the hyperthermophilic, sulphate-
RT reducing archaeon Archaeoglobus fulgidus.";
RL Nature 390:364-370(1997).
DR EMBL; AE001056; AAB90537.1; -.
DR TIGR; AF0704; -.
DR InterPro; IPR000051; SAM_bind.
DR InterPro; IPR003402; Unk_Met10.
DR Pfam; PF02475; Met_10; 1.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 273 AA; 31580 MW; C56AB5A45A4EDEC7 CRC64;

Query Match      100.0%; Score 31; DB 17; Length 273;
Best Local Similarity 45.5%; Pred. No. 5.4e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
  |||||:
DB 181 EEVVPQLSGQF 191

RESULT 36
Q8TY71 PRELIMINARY; PRT; 279 AA.
AC Q8TY71;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Diaminopimelate epimerase.
GN DAPF OR MK0434.
OS Methanopyrus kandleri.
OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;
OC Methanopyrus.
OX NCBI_TaxID=2320;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=AV19 / DSM 6324 / JCM 9639;
RX MEDLINE=21927647; PubMed=11930014;
RA Slesarev A.I., Mezheva K.V., Makarova K.S., Polushin N.N.,
RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,
RA Natile D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,
RA Malykh A.G., Koonin E.V., Kozyavkin S.A.;
RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19
RT and monophyly of archaeal methanogens.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).
DR EMBL; AE010338; AAM01649.1; -.
KW Complete proteome.
SQ SEQUENCE 279 AA; 30994 MW; 64603E6D480EAB6D CRC64;

Query Match      100.0%; Score 31; DB 17; Length 279;
Best Local Similarity 45.5%; Pred. No. 5.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
  |||||:
DB 21 EEVVPESDRPD 31

RESULT 37
Q9TVN2 PRELIMINARY; PRT; 280 AA.
AC Q9TVN2;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Y48G10A.1 protein.
GN Y48G10A.1.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;

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RN [1]  
 RP SEQUENCE FROM N.A.  
 RA White S.;  
 RU Submitted (MAY-1999) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=99069613; PubMed=9851916;  
 RA none;  
 RT "Genome sequence of the nematode C.elegans: A platform for  
 investigating biology";  
 RL Science 282:2012-2018(1998).  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RA Harris B.R.;  
 RL Submitted (OCT-1999) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AL110500; CAB63414.1; -  
 DR EMBL; AL132847; CAB63414.1; JOINED.  
 DR EMBL; AL132847; CAB60384.2; -  
 DR EMBL; AL110500; CAB60384.2; JOINED.  
 DR InterPro; IPR000801; Esterase\_put.  
 DR InterPro; IPR000379; Ser\_estrs\_site.  
 DR Pfam; PF00756; Esterase\_1.  
 SQ SEQUENCE 280 AA; 31248 MW; B1FD6128BB007E36 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 280;  
 Best Local Similarity 45.5%; Pred. No. 5.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 130 EEVVPVAPID 140

## RESULT 38

Q8YUM6 ID Q8YUM6 PRELIMINARY; PRT; 281 AA.  
 AC Q8YUM6;  
 DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
 DE Hypothetical protein Al12314.  
 GN AL12314.  
 OS Anabaena sp. (strain PCC 7120).  
 OC Bacteria; Cyanobacteria; Nostocales; Nostocaceae; Nostoc.  
 OX NCBI\_TaxID=103690;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21595285; PubMed=11759840;  
 RA Kaneko T., Nakamura Y., Wolk C.P., Kuritz T., Sasamoto S.,  
 RA Watanabe A., Iriguchi M., Ishikawa A., Kawashima K., Kimura T.,  
 RA Kishida Y., Kohara M., Matsumoto M., Matsuno A., Muraki A.,  
 RA Nakazaki N., Shimo S., Sugimoto M., Takazawa M., Yamada M.,  
 RA Yasuda M., Tabata S.;  
 RT "Complete genomic sequence of the filamentous nitrogen-fixing  
 cyanobacterium Anabaena sp. strain PCC 7120.";  
 RL DNA Res. 8:205-213(2001).  
 DR EMBL; AP003589; BAB74013.1; -  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 281 AA; 31785 MW; 01A6B4C8DAF5E5EC CRC64;

Query Match 100.0%; Score 31; DB 16; Length 281;  
 Best Local Similarity 45.5%; pred. No. 5.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 186 EEVVPVYITL 196

## RESULT 39

Q8XRK0 ID Q8XRK0 PRELIMINARY; PRT; 282 AA.  
 AC Q8XRK0;

DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
 DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
 DE Hypothetical protein RSP0831.  
 GN RSP0831 OR RS05364.  
 OS Ralstonia solanacearum (Pseudomonas solanacearum).  
 OG Plasmid megaplasmid.  
 OC Bacteria; Proteobacteria; beta subdivision; Ralstonia group;  
 OC Ralstonia.  
 OX NCBI\_TaxID=305;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=GM11000;  
 RX MEDLINE=21681879; PubMed=11823852;  
 RA Salanoubat M., Genin S., Artiguenave F., Gouzy J., Mangenot S.,  
 RA Arlat M., Billault A., Brottier P., Camus J.C., Cattolico L.,  
 RA Chandler M., Choisme N., Claudel-Renard C., Cunnac S., Demange N.,  
 RA Gaspin C., Lavie M., Moisan A., Robert C., Saurin W., Schiex T.,  
 RA Sigulier P., Thebault P., Whalen M., Wincker P., Levy M.,  
 RA Weissenbach J., Boucher C.A.;  
 RT "Genome sequence of the plant pathogen Ralstonia solanacearum";  
 RL Nature 415:497-502(2002).  
 DR EMBL; AL646081; CAD17982.1; -  
 KW Plasmid; Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 282 AA; 30832 MW; 5BD6F0F3EB31AE1C CRC64;

Query Match 100.0%; Score 31; DB 16; Length 282;  
 Best Local Similarity 45.5%; Pred. No. 5.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 62 EEVVPCLADA 72

## RESULT 40

Q8TXR5 ID Q8TXR5 PRELIMINARY; PRT; 289 AA.  
 AC Q8TXR5;  
 DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Predicted archaea-specific methyltransferase.  
 GN MK0595.  
 OS Methanopyrus kandleri.  
 OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;  
 OC Methanopyrus.  
 OX NCBI\_TaxID=2320;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=AV19 / DSM 6324 / JCM 9639;  
 RX MEDLINE=21927647; PubMed=11930014;  
 RA Slesarev A.I., Mezheva K.V., Makarova K.S., Polushin N.N.,  
 RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,  
 RA Natale D.A., Koonin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,  
 RA Malykh A.G., Koonin E.V., Kozyavkin S.A.;  
 RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19  
 and monophyly of archaeal methanogens";  
 RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).  
 DR EMBL; AE010353; AA01810.1; -  
 KW Transferase; Methyltransferase; Complete proteome.  
 SQ SEQUENCE 289 AA; 32322 MW; EC50405B643C43C8 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 289;  
 Best Local Similarity 45.5%; Pred. No. 5.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 194 EEVVPCLDEF 204

## RESULT 41

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Q932R7
ID Q932R7 PRELIMINARY; PRT; 290 AA.
AC Q932R7;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Alkane-1-monooxygenase (Fragment).
GN ALKB
OS Pseudomonas aeruginosa.
OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;
OC Pseudomonas.
OC NCBI_TaxID=287;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=UMI-88, AND UMI-89;
RA Belhaj A., Desnoues N., Elmerich C.;
RT "Distribution of alkane hydroxylase genes (alkB) in Pseudomonas
RT aeruginosa isolated from a zone polluted with hydrocarbons.";
RL Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AJ344079; CAC86944.1; -
DR EMBL; AJ344083; CAC86947.1; -
DR InterPro; IPR001225; FA_desaturase.
DR Pfam; PF00487; FA_desaturase; 1.
KW Monooxygenase.
FT NON_TER 1
FT NON_TER 290
SQ SEQUENCE 290 AA; 33386 MW; EAFIA67702F31116F CRC64;

Query Match 100.0%; Score 31; DB 2; Length 290;
Best Local Similarity 45.5%; Pred. No. 5.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 48 EEVVPKLEKER 58

RESULT 42
Q8UKB7
ID Q8UKB7 PRELIMINARY; PRT; 302 AA.
AC Q8UKB7;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Transcriptional regulator, LysR family.
GN ATU5206 OR AGR_PAF286.
OS Agrobacterium tumefaciens (strain C58 / ATCC 33970).
OG Plasmid AT.
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;
OC Rhizobiaceae; Rhizobium.
OC NCBI_TaxID=176299;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21608550; PubMed=11743193;
RA Wood D.W., Setubal J.C., Kaul R., Monks D.E., Kitajima J.P.,
RA Okura V.K., Zhou Y., Chen L., Wood G.E., Almeida N.F., Woo L.,
RA Chen Y., Paulsen I.T., Eisen J.A., Karp P.D., Bovee D. Sr.,
RA Chapman P., Clendenning J., Deatherage G., Gillet W., Grant C.,
RA Kutayavin T., Levy R., Li M.-J., McClelland E., Palmieri A.,
RA Raymond C., Rouse G., Saenphimmachak C., Wu Z., Romero P., Gordon D.,
RA Zhang S., Yoo H., Tao Y., Biddle P., Jung M., Krespan W., Perry M.,
RA Gordon-Kamm B., Liao L., Kim S., Hendrick C., Zhao Z.-Y., Dolan M.,
RA Chumley F., Tingey S.V., Tomb J.-F., Gordon M.P., Olson M.V.,
RA Nester E.W.;
RT "The genome of the natural genetic engineer Agrobacterium tumefaciens
RT C58.";
RL Science 294:2317-2323(2001).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=21608551; PubMed=11743194;
RA Goodner B., Hinkle G., Gattung S., Miller N., Blanchard M.,
RA Quriollo B., Goldman B.S., Cao Y., Askenazi M., Halling C., Mullin L.,
RA Houmlel K., Gordon J., Vaudin M., Tartchouk O., Epp A., Liu F.,

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RA Wollam C., Allinger M., Doughty D., Scott C., Lappas C., Markelz B.,
RA Flanagan C., Crowell C., Gurson J., Lomo C., Sear C., Strub G.,
RA Cielo C., Slater S.;
RT "Genome sequence of the plant pathogen and biotechnology agent
RT Agrobacterium tumefaciens C58.";
RL Science 294:2323-2328(2001).
DR EMBL; AE008943; AAL45895.1; ALT_INIT.
DR EMBL; AE007891; AAK90577.1; -
KW Plasmid; Complete proteome.
SQ SEQUENCE 302 AA; 33089 MW; A742E250D74F1620 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 302;
Best Local Similarity 45.5%; Pred. No. 6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 260 EEVVPGYSHAG 270

RESULT 43
Q9UFE0
ID Q9UFE0 PRELIMINARY; PRT; 303 AA.
AC Q9UFE0;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAY-2000 (TrEMBLrel. 13, Last annotation update)
DE Hypothetical 32.3 kDa protein (Fragment).
GN DKFZP434G107.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OC NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=TESTIS;
RA Koehrer K., Beyer A., Mewes H.W., Gassenhuber J., Wiemann S.;
RL Submitted (NOV-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL133029; CAB61361.1; -
KW Hypothetical protein.
FT NON_TER 1
FT NON_TER 1
SQ SEQUENCE 303 AA; 32345 MW; 7446B22C98E48DB9 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 303;
Best Local Similarity 45.5%; Pred. No. 6.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 214 EEVVPALPTE 224

RESULT 44
Q8TYW2
ID Q8TYW2 PRELIMINARY; PRT; 305 AA.
AC Q8TYW2;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Coenzyme F420-reducing hydrogenase, gamma subunit.
GN MK0179.
OS Methanopyrus kandleri.
OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;
OC Methanopyrus.
OC NCBI_TaxID=2320;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=AV19 / DSM 6324 / JCM 9639;
RA MEDLINE=21927647; PubMed=11930014;
RA Slesarev A.I., Mezheva K.V., Makarova K.S., Polushin N.N.,
RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,
RA Natale D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,
RA Malykh A.G., Koonin E.V., Kozlyavkin S.A.;

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RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19
RT and monophyly of archaeal methanogens."
RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).
DR EMBL: AE010317; AN01396.1; -.
KW Complete proteome.
SQ SEQUENCE 305 AA; 33099 MW; 0A5F5FA78D051125 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 305;
Best Local Similarity 45.5%; Pred. No. 6.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11
Db 125 EEEVPPDFGVV 135

RESULT 45
029676
ID Q29676 PRELIMINARY; PRT; 307 AA.
AC Q29676;
DT 01-JAN-1998 (TREMBLrel. 05, Created)
DT 01-JAN-1998 (TREMBLrel. 05, Last sequence update)
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
DE Hypothetical protein AF0579.
GN AF0579.
OS Archaeoglobus fulgidus.
OC Archaea; Euryarchaeota; Archaeoglobi; Archaeoglobales;
OC Archaeoglobaceae; Archaeoglobus.
ON NCBI_TaxID=2234;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=VC-16 / DSM 4304 / ATCC 49558;
RX MEDLINE=98049343; PubMed=9389475;
RA Klenk H.-P., Clayton R.A., Tomb J.-F., White O., Nelson K.E.,
RA Ketchum K.A., Dodson R.J., Gwinn M., Hickey E.K., Peterson J.D.,
RA Richardson D.L., Kerlavage A.R., Graham D.E., Kyrpides N.C.,
RA Fleischmann R.D., Quackenbush J., Lee N.H., Sutton G.G., Gill S.,
RA Kirkness E.F., Dougherty B.A., McKenney K., Adams M.D., Loftus B.,
RA Peterson S., Reich C.I., McNeil L.K., Badger J.H., Glodek A., Zhou L.,
RA Overbeek R., Gocayne J.D., Weidman J.F., McDonald L., Utterback T.,
RA Cotton P.W., D'Andrea K.P., Bowman C., Fujii C., Garland S.A.,
RA Sadow P.W., Spriggs T., Artlich P., Kaine B.P., Sykes S.M.,
RA Mason T.M., Olsen G.J., Fraser C.M., Smith H.O., Woese C.R.,
RA Venter J.C.;
RT "The complete genome sequence of the hyperthermophilic, sulphate-
RT reducing archaeon Archaeoglobus fulgidus."
RL Nature 390:364-370(1997).
DR EMBL: AE001064; AA890662.1; -.
DR TIGR: AF0579; -.
DR InterPro: IPR003661; His_KinA.
DR InterPro: IPR004359; His_Kin_sig.
DR InterPro: IPR000014; PAS_domain.
DR Pfam: PF00512; signal; 1.
DR SMART: SM00388; HSKA; 1.
DR SMART: SM00091; PAS; 1.
DR TIGRFAMs: TIGR00229; sensory_box; 1.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 307 AA; 35198 MW; 81BDA40506D5486D CRC64;

Query Match 100.0%; Score 31; DB 17; Length 307;
Best Local Similarity 45.5%; Pred. No. 6.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11
Db 39 EEEVPPDAVGKY 49

RESULT 46
Q9NWJ9
ID Q9NWJ9 PRELIMINARY; PRT; 309 AA.
AC Q9NWJ9;
DT 01-OCT-2000 (TREMBLrel. 15, Created)

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DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)
DT 01-OCT-2000 (TREMBLrel. 15, Last annotation update)
DE CDNA FLJ20793 f1s, clone COL00343.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
ON NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=COLON;
RA Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S.,
RA Okitani R., Ota T., Suzuki Y., Obayashi M., Nishi T., Shibahara T.,
RA Tanaka T., Nakamura Y., Isogai T., Sugano S.;
RT "NEDO human cDNA sequencing project."
RL Submitted (FEB-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL: AK000800; BAA91381.1; -.
SQ SEQUENCE 309 AA; 35443 MW; 89D8D2CC9F62A22A CRC64;

Query Match 100.0%; Score 31; DB 4; Length 309;
Best Local Similarity 45.5%; Pred. No. 6.2e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11
Db 40 EEEVPEYVTLK 50

RESULT 47
Q82B39
ID Q82B39 PRELIMINARY; PRT; 311 AA.
AC Q82B39;
DT 01-MAR-2002 (TREMBLrel. 20, Created)
DT 01-MAR-2002 (TREMBLrel. 20, Last sequence update)
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
DE Aspartate carbamoyltransferase catalytic subunit (EC 2.1.3.2).
GN PYR OR YPO3588.
OS Versinia pestis.
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
OC Versinia.
ON NCBI_TaxID=632;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=CO-92 / BIOVAR ORIENTALIS;
RX MEDLINE=21470413; PubMed=11586360;
RA Parkhill J., Wren B.W., Thomson N.R., Titball R.W., Holden M.T.G.,
RA Prentice M.B., Sebaihia M., James K.D., Churcher C., Mungall K.L.,
RA Baker S., Basham D., Bentley S.D., Brooks K., Cerdeno-Tarraga A.M.,
RA Chillingworth T., Cronin A., Davies R.M., Davis P., Dougan G.,
RA Feltwell T., Hamlin N., Holroyd S., Jagels K., Karlyshev A.V.,
RA Leather S., Moule S., Oyston P.C.F., Quail M., Rutherford K.,
RA Simmonds M., Skelton J., Stevens K., Whitehead S., Barrell B.G.;
RT "Genome sequence of Versinia pestis, the causative agent of plague."
RL Nature 413:523-527(2001).
DR EMBL: AJ414157; CAC92816.1; -.
DR InterPro: IPR002029; Asp/Orn_Cotransf.
DR InterPro: IPR002082; Asp_carbmttransf.
DR Pfam: PF00185; OTCace; 1.
DR Pfam: PF02729; OTCaceN; 1.
DR PRINTS: PR00100; OTCASE.
DR TIGRFAMs: TIGR00670; asp_carb_tr; 1.
DR PROSITE: PS00097; CARBAMOYLTRANSFERASE; UNKNOWN_1.
KW Transferase; Complete proteome.
SQ SEQUENCE 311 AA; 34559 MW; FE76627210B30444 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 311;
Best Local Similarity 45.5%; Pred. No. 6.2e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXXX 11
Db 217 EEEVPELDILY 227

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RESULT 48
Q9RV16
ID Q9RV16 PRELIMINARY; PRT; 316 AA.
AC Q9RV16;
DT 01-MAY-2000 (TREMBlrel. 13, Created)
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE Acetyl-CoA carboxylase carboxyl transferase, alpha subunit.
GN DR1214.
OS Deinococcus radiodurans.
OC Bacteria; Thermus/deinococcus group; Deinococci; Deinococcales;
OC Deinococcaceae; Deinococcus.
OX NCBI_TaxID=1299;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=R1;
RX MEDLINE=20036896; PubMed=10567266;
RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,
RA Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,
RA Moffat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,
RA Vamathevan J.J., Lam P., McDonald L., Uterback T., Zaleski C.,
RA Makarova K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,
RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,
RA Fraser C.M.;
RT "Genome sequence of the radioresistant bacterium Deinococcus
RT radiodurans R1."
RL Science 286:1571-1577(1999).
DR ENBL; AE001970; AAF10787.1;
DR TIGR; DR1214;
DR InterPro; IPR001095; Ac-CoA_carboxylA.
DR Pfam; PF03255; ACQA; 1.
DR PRINTS; PRO1069; ACCCTRFRASEA.
DR TIGRFAMS; TIGR00513; acca; 1.
KW Transferase; Complete proteome.
SQ SEQUENCE 316 AA; 34263 MW; DC37CFB864CC0F7 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 316;
Best Local Similarity 45.5%; Pred. No. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : : :
DB 259 EEVVPPEPPGA 269

RESULT 49
Q9M9U8
ID Q9M9U8 PRELIMINARY; PRT; 325 AA.
AC Q9M9U8;
DT 01-OCT-2000 (TREMBlrel. 15, Created)
DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)
DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE F6A14.12 protein.
GN F6A14.12.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eurosids II; Brassicales; Brassicaceae; Arabidopsi.
OX NCBI_TaxID=3702;
RN [1]
RP SEQUENCE FROM N.A.
RA Federspiel N.A., Palm C.J., Conway A.B., Conn L., Hansen N.F.,
RA Altafi H., Araujo R., Huizar L., Rowley D., Buehler E., Dunn P.,
RA Gonzalez A., Kremenetskaia I., Kim C., Lenz C., Li J., Liu S.,
RA Lueros S., Schwartz J., Shinn P., Toriumi M., Vysotskaia V.S.,
RA Walker M., Yu G., Ecker J., Theologis A., Davis R.W.;
RL Submitted (JAN-2000) to the EMBL/GenBank/DBJ databases.
CC -1- SIMILARITY: CONTAINS 1 RING-TYPE ZINC FINGER.
DR ENBL; AC011809; AAF27102.1;
DR InterPro; IPR001664; IF.
DR Pfam; PF00097; zf-C3HC4; 1.
DR SMART; SM00184; RING; 1.

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DR PROSITE; PS00226; IF; UNKNOWN_1.
KW Zinc-finger.
SQ SEQUENCE 325 AA; 36919 MW; 837FDB7F28F2B615 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 325;
Best Local Similarity 45.5%; Pred. No. 6.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
| | | | | : : : : :
DB 169 EEVVPFGLPY 179

RESULT 50
Q9SIL3
ID Q9SIL3 PRELIMINARY; PRT; 337 AA.
AC Q9SIL3;
DT 01-MAY-2000 (TREMBlrel. 13, Created)
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)
DT 01-MAR-2002 (TREMBlrel. 20, Last annotation update)
DE Putative heat shock protein (At2g20560/T13C7.15).
GN AT2G20560.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eurosids II; Brassicales; Brassicaceae; Arabidopsi.
OX NCBI_TaxID=3702;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=CV. COLUMBIA;
RX MEDLINE=20083487; PubMed=10617197;
RA Lin X., Kaul S., Rounsley S.D., Shea T.P., Benito M.-I., Town C.D.,
RA Fujii C.-Y., Mason T.M., Bowman C.L., Barnstead M.E., Feldblyum T.V.,
RA Buehl C.R., Ketchum K.A., Lee J.-J., Ronning C.M., Koo H., Moffat K.S.,
RA Cronin L.A., Shen M., VanAken S.E., Umayan L., Tallon L.J., Gill J.E.,
RA Adams M.D., Carrera A.J., Creasy T.H., Goodman H.M., Somerville C.R.,
RA Copenhaver G.P., Preuss D., Nierman W.C., White O., Eisen J.A.,
RA Salzberg S.L., Fraser C.M., Venter J.C.;
RT "Sequence and analysis of chromosome 2 of the plant Arabidopsis
RT thaliana."
RL Nature 402:761-768(1999).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=CV. COLUMBIA;
RA Lin X.;
RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RA Cheuk R., Chen H., Kim C.J., Koesema E., Meyers M.C., Banh J.,
RA Bowser L., Carninci P., Dale J.M., Goldsmith A.D., Hayashizaki Y.,
RA Ishida J., Jiang P.X., Jones T., Kamiya A., Karlin-Neumann G.,
RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,
RA Nguyen M., Onodera C.S., Palm C.J., Pham P.K., Quach H.L., Sakurai T.,
RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,
RA Yamamura Y., Yu G., Yu S., Shinozaki K., Davis R.W., Theologis A.,
RA Ecker J.R.;
RT "Arabidopsis cDNA clones."
RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.
DR ENBL; AC007109; AAD25656.1;
DR ENBL; AY057555; AAL09794.1;
DR HSSP; P25685; 1HDJ.
DR InterPro; IPR002939; DnaJ_C.
DR InterPro; IPR001623; DnaJ_N.
DR InterPro; IPR003095; Hsp_DnaJ.
DR Pfam; PF01556; DnaJ; 1.
DR Pfam; PF01556; DnaJ_C; 1.
DR PRINTS; PR00625; DNAJPROTEIN.
DR SMART; SM00271; DnaJ; 1.
DR PROSITE; PS00636; DNAJ_1; 1.
DR PROSITE; PS50076; DNAJ_2; 1.
KW Heat shock.
SQ SEQUENCE 337 AA; 37109 MW; 4438049D4C4ACCC0 CRC64;

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Query Match 100.0%; Score 31; DB 10; Length 337;  
 Best Local Similarity 45.5%; Pred. No. 6.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGVVXXXXXXXXX 11  
 |||||:|||||:  
 Db 292 EGVVPEKGMPL 302

RESULT 51  
 O49457 PRELIMINARY; PRT; 348 AA.  
 AC O49457;  
 DT 01-JUN-1998 (TrEMBLrel. 06, Created)  
 DT 01-JUN-1998 (TrEMBLrel. 06, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Heat-shock protein.  
 GN F2109.160 OR AT4G28480 OR F2009.160.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsids.  
 OX NCBI\_TaxID=3702;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Bevan M., Koetter P., Hempel S., Entian K.-D., Hoheisel J.,  
 RA Mewes H.W., Mayer K., Schueller C.,  
 RL Submitted (FEB-1998) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Rose M., Hempel S., Entian K.-D., Mewes H.W., Lemcke K., Mayer K.F.X.;  
 RA Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RA EU Arabidopsis sequencing project;  
 RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 RN [4]  
 RP SEQUENCE FROM N.A.  
 RA Nguyen M., Karlin-Neumann G., Southwick A., Lam B., Miranda M.,  
 RA Palm C.J., Bowser L., Jones T., Banh J., Carninci P., Chen H.,  
 RA Cheuk R., Chung M.K., Hayashizaki Y., Ishida J., Kamiya A., Kawai J.,  
 RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,  
 RA Sakurai T., Satou M., Seki M., Shinn P., Yamada K., Shinozaki K.,  
 RA Ecker J., Theologis A., Davis R.W.;  
 RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.  
 RN [5]  
 RP SEQUENCE FROM N.A.  
 RA Southwick A., Karlin-Neumann G., Nguyen M., Lam B., Miranda M.,  
 RA Palm C.J., Bowser L., Jones T., Banh J., Carninci P., Chen H.,  
 RA Cheuk R., Chung M.K., Hayashizaki Y., Ishida J., Kamiya A., Kawai J.,  
 RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,  
 RA Sakurai T., Satou M., Seki M., Shinn P., Yamada K., Shinozaki K.,  
 RA Ecker J., Theologis A., Davis R.W.;  
 RL Submitted (FEB-2002) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AL021749; CAAL16887.1; -  
 DR EMBL; AL161572; CAB79650.1; -  
 DR EMBL; AY042845; AAK68785.1; -  
 DR EMBL; AY081523; AAM10085.1; -  
 DR HSP; P25685; IHDJ.  
 DR InterPro; IPR002939; DnaJ\_C.  
 DR InterPro; IPR001623; DnaJ\_N.  
 DR Pfam; PF00226; DnaJ; 1.  
 DR Pfam; PF01556; DnaJ\_C; 1.  
 DR SMART; SM00271; DnaJ; 1.  
 DR PROSITE; PS00636; DnaJ\_1; 1.  
 DR PROSITE; PS50076; DnaJ\_2; 1.  
 SQ SEQUENCE 348 AA; 38191 MW; 85B412B672751D6A CRC64;

Query Match 100.0%; Score 31; DB 10; Length 348;  
 Best Local Similarity 45.5%; Pred. No. 7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGVVXXXXXXXXX 11  
 |||||:|||||:  
 Db 292 EGVVPEKGMPL 302

Db 303 EGVVPEKGMPL 313  
 |||||:|||||:  
 RESULT 52  
 Q97NJ6 PRELIMINARY; PRT; 363 AA.  
 ID Q97NJ6;  
 AC Q97NJ6;  
 DT 01-OCT-2001 (TrEMBLrel. 18, Created)  
 DT 01-OCT-2001 (TrEMBLrel. 18, Last sequence update)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
 DE Hypothetical protein SP2031.  
 GN SP2031.  
 OS Streptococcus pneumoniae.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
 OC Streptococcaceae; Streptococcus.  
 OX NCBI\_TaxID=1313;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=TIGR4;  
 RX MEDLINE=21357209; PubMed=11463916;  
 RA Tettelin H., Nelson K.E., Paulsen I.T., Eisen J.A., Read T.D.,  
 RA Peterson S., Heidelberg J., DeBoy R.T., Haft D.H., Dodson R.J.,  
 RA Durkin A.S., Gwinn M., Kolonay J.F., Nelson W.C., Petersen J.D.,  
 RA Umayam L.A., White O., Salzberg S.L., Lewis M.R., Radune D.,  
 RA Holtzapfel E., Khouri H., Wolf A.M., Utterback T.R., Hansen C.L.,  
 RA McDonald L.A., Feldblyum T.V., Angiuoli S., Dickinson T., Hickey E.K.,  
 RA Holt I.E., Loftus B.J., Yang F., Smith H.O., Venter J.C.,  
 RA Dougherty B.A., Morrison D.A., Hollingshead S.K., Fraser C.M.;  
 RT "Complete genome sequence of a virulent isolate of Streptococcus pneumoniae";  
 RL Science 293:498-506(2001).  
 DR EMBL; AE007492; AAK76096.1; -  
 DR TIGR; SP2031; -  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 363 AA; 41685 MW; 4217DBEBFC99F7 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 363;  
 Best Local Similarity 45.5%; Pred. No. 7.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EGVVXXXXXXXXX 11  
 |||||:|||||:  
 Db 30 EGVVPEGNFAM 40

RESULT 53  
 Q9X888 PRELIMINARY; PRT; 367 AA.  
 ID Q9X888;  
 AC Q9X888;  
 DT 01-NOV-1999 (TrEMBLrel. 12, Created)  
 DT 01-NOV-1999 (TrEMBLrel. 12, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Putative oxidoreductase.  
 GN SCO3296 OR SCE15.13C.  
 OS Streptomyces coelicolor.  
 OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;  
 OC Actinomycetales; Streptomycetaceae; Streptomyces.  
 OX NCBI\_TaxID=1902;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2);  
 RA Murphy L., Harris D.;  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2);  
 RA Bentley S.D., Parkhill J., Barrell B.G., Rajandream M.A.;  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2);  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2);  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 SQ SEQUENCE 363 AA; 41685 MW; 4217DBEBFC99F7 CRC64;

RA Redenbach M., Kieser H.M., Denapaita D., Eichner A., Cullum J.,  
 RA Kinashi H., Hopwood D.A.;  
 RT "A set of ordered cosmids and a detailed genetic and physical map for  
 RT the 8 Mb Streptomyces coelicolor A3(2) chromosome.";  
 RL Mol. Microbiol. 21:77-96(1996).  
 RN [4]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=A3(2) / M145;  
 RA Bentley S.D., Chater K.F., Cerdeno-Tarraga A.-M., Challis G.L.,  
 RA Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H.,  
 RA Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M.,  
 RA Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S.,  
 RA Huang C.-H., Kieser T., Larke L., Murphy L., Oliver K., O'Neill S.,  
 RA Rabinowitz E., Rajandream M.A., Rutherford K., Rutter S.,  
 RA Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,  
 RA Warren T., Wietzorrek A., Woodward J., Barrell B.G., Parkhill J.,  
 RA Hopwood D.A.;  
 RT "Complete genome sequence of the model actinomycete Streptomyces  
 RT coelicolor A3(2).";  
 RL Nature 417:141-147(2002).  
 DR EMBL; AL049707; CAB41282.1; -  
 DR InterPro; IPR002103; Bac\_luciferase.  
 DR Pfam; PF00296; bac\_luciferase; 1.  
 SQ SEQUENCE 367 AA; 40904 MW; 1944C15C51A9B485 CRC64;  
 Query Match 100.0%; Score 31; DB 16; Length 367;  
 Best Local Similarity 45.5%; Pred. No. 7.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 325 EEVVPVLEEF 335  
 |||||:|||||  
 RESULT 54  
 Q8T292 PRELIMINARY; PRT; 367 AA.  
 ID Q8T292  
 AC Q8T292  
 DT 01-JUN-2002 (TReMBLrel. 21, Created)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
 DE Predicted GTPase of the Y1qF family.  
 GN MK0045.  
 OS Methanopyrus kandleri.  
 OC Archaea; Euryarchaeota; Methanopyri; Methanopyrales; Methanopyraceae;  
 OC Methanopyrus.  
 OX NCBI\_TaxID=2320;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=AV19 / DSM 6324 / JCM 9639;  
 RX MEDLINE=21927647; PubMed=11930014;  
 RA Slesarev A.I., Mezhevaia K.V., Makarova K.S., Polushin N.N.,  
 RA Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,  
 RA Natale D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,  
 RA Malykh A.G., Koonin E.V., Kozyavkin S.A.;  
 RT "The complete genome of hyperthermophile Methanopyrus kandleri AV19  
 RT and monophyly of archaeal methanogens.";  
 RL Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).  
 DR EMBL; AB010305; AA001262.1; -  
 KW Complete proteome.  
 SQ SEQUENCE 367 AA; 41278 MW; 83C8971A4743E698 CRC64;  
 Query Match 100.0%; Score 31; DB 17; Length 367;  
 Best Local Similarity 45.5%; Pred. No. 7.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 278 EEVVPGEIPPS 288  
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RESULT 55  
 P72239

ID P72239 PRELIMINARY; PRT; 379 AA.  
 AC P72239;  
 DT 01-FEB-1997 (TReMBLrel. 02, Created)  
 DT 01-FEB-1997 (TReMBLrel. 02, Last sequence update)  
 DT 01-DEC-2001 (TReMBLrel. 19, Last annotation update)  
 DE CFA-beta-ketocacylsynthase.  
 DE CFA3.  
 GN CFA3.  
 OS Pseudomonas syringae (pv. glycinea).  
 OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;  
 OC Pseudomonas.  
 OX NCBI\_TaxID=318;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=GLYCINEA;  
 RX MEDLINE=97149295; PubMed=8996103;  
 RA Penfold C.N., Bender C.L., Turner J.G.;  
 RT "Characterisation of genes involved in biosynthesis of coronafacic  
 RT acid, the polyketide component of the phytotoxin coronatine.";  
 RL Gene 183:167-173(1996).  
 DR EMBL; U56980; AAB41300.1; -  
 DR HSP; P73283; 1ESM.  
 DR InterPro; IPR00794; Ketoacyl-synt.  
 DR Pfam; PF00109; ketoacyl-synt; 1.  
 DR Pfam; PF02801; ketoacyl-synt\_C; 1.  
 SQ SEQUENCE 379 AA; 39691 MW; 629745BCE98DA0B1 CRC64;  
 Query Match 100.0%; Score 31; DB 2; Length 379;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 88 EEVVPVLTASY 98  
 |||||:|||||  
 RESULT 56  
 Q9NKR4 PRELIMINARY; PRT; 379 AA.  
 ID Q9NKR4  
 AC Q9NKR4;  
 DT 01-OCT-2000 (TReMBLrel. 15, Created)  
 DT 01-OCT-2000 (TReMBLrel. 15, Last sequence update)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
 DE Serine threonine protein kinase 4.  
 GN STPK4.  
 OS Leishmania major.  
 OC Eukaryota; Euklenozoa; Kinetoplastida; Trypanosomatidae; Leishmania.  
 OX NCBI\_TaxID=5664;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=FRIEDLIN;  
 RA Myler P.J., Sisk E., Hixson G., Kiser P., Rickel E., Hassebrock M.,  
 RA Cawthra J., Marsolini F., Sunkin S., Stuart K.D.;  
 RL Submitted (FEB-2000) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AC005893; AAF31035.1; -  
 DR HSP; P24941; 1A01  
 DR InterPro; IPR00719; Euk\_pkinase.  
 DR InterPro; IPR001245; Tyr\_pkinase.  
 DR Pfam; PF00069; pkinase; 1.  
 DR ProDom; PD000001; Euk\_pkinase; 1.  
 DR PROSITE; PS00107; PROTEIN\_KINASE\_ATP; 1.  
 DR PROSITE; PS50011; PROTEIN\_KINASE\_DOM; 1.  
 DR PROSITE; PS00109; PROTEIN\_KINASE\_TYR; UNKNOWN\_1.  
 KW ATP-binding; Transference.  
 SQ SEQUENCE 379 AA; 42715 MW; 56AB69779B74E8DC CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 379;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 356 EEVVPVFEEDL 366  
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RESULT 57
O49362
ID O49362 PRELIMINARY; PRT; 384 AA.
AC O49362:
DT 01-JUN-1998 (TREMBlrel. 06, Created)
DT 01-JUN-1998 (TREMBlrel. 06, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE Hypothetical 44.0 kDa protein.
GN F10W6.70 OR AT4G32290.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.
OX NCBI_TaxID=3702;
RN [1]
RP SEQUENCE FROM N.A.
RA Bevan M., Weichselgartner M., Fartmann B., Granderath K., Dauner D.,
RA Herzl A., Neumann S., Hoheisel J., Mewes H.W., Mayer K., Schueller C.;
RL Submitted (FEB-1998) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RA Weichselgartner M., Fartmann B., Granderath K., Dauner D., Herzl A.,
RA Neumann S., Mewes H.W., Lemcke K., Mayer K.F.X.;
RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RA EU Arabidopsis sequencing project;
RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL021811; CAAL6961.1; -.
DR EMBL; AL161580; CAB99947.1; -.
DR InterPro; IPR004949; DUF266.
DR Pfam; PF03267; DUF266; 1.
KW Hypothetical protein.
SQ SEQUENCE 384 AA; 44041 MW; 8A4A8B8EADD86EF5D CRC64;

Query Match 100.0%; Score 31; DB 10; Length 384;
Best Local Similarity 45.5%; Pred. No. 7.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 318 EEVPELVRL 328

RESULT 58
O9UKN3
ID O9UKN3 PRELIMINARY; PRT; 386 AA.
AC O9UKN3:
DT 01-MAY-2000 (TREMBlrel. 13, Created)
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE MIL1 protein.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RA Zenskova M.Y., Lilly M., Escher A.P.;
RT "Mili, a novel human gene encoding mitochondria located protein
RT promoting cell survival.";
RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF146568; AAF03602.1; -.
DR InterPro; IPR00712; Bcl2_BH.
DR InterPro; IPR002475; BCL2_family.
DR Pfam; PF00452; Bcl-2; 1.
DR SMART; SM00337; BCL; 1.
DR PROSITE; PS50062; BCL2_FAMILY; 1.
SQ SEQUENCE 386 AA; 41726 MW; B8F2B17507D81BC7 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 386;
Best Local Similarity 45.5%; Pred. No. 7.8e+02;

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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 297 EEVVPALPEPT 307

RESULT 59
O9RJH6
ID O9RJH6 PRELIMINARY; PRT; 386 AA.
AC O9RJH6:
DT 01-MAY-2000 (TREMBlrel. 13, Created)
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE Hypothetical protein SC00564.
GN SC00564 OR SCF73.11C.
OS Streptomyces coelicolor.
OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
OC Actinomycetales; Streptomycineae; Streptomycetaceae; Streptomyces.
OX NCBI_TaxID=1902;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-A3(2) / M145;
RA Bentley S.D., Chater K.F., Cerdeno-Tarraga A.-M., Challis G.L.,
RA Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H.,
RA Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M.,
RA Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S.,
RA Huang C.-H., Kieser T., Larke L., Murphy L., Oliver K., O'Neill S.,
RA Rabinowitz E., Rajandream M.A., Rutherford K., Rutter S.,
RA Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,
RA Warren T., Wietzorrek A., Woodward J., Barrell B.G., Parkhill J.,
RA Hopwood D.A.;
RT "Complete genome sequence of the model actinomycete Streptomyces
RT coelicolor A3(2)";
RL Nature 417:141-147(2002).
DR EMBL; AL121746; CAB57416.1; -.
KW Hypothetical protein.
SQ SEQUENCE 386 AA; 43025 MW; D0B4AB2E88D9D534 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 386;
Best Local Similarity 45.5%; Pred. No. 7.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 270 EEVVPGLFDP 280

RESULT 60
O9EV92
ID O9EV92 PRELIMINARY; PRT; 388 AA.
AC O9EV92:
DT 01-MAR-2001 (TREMBlrel. 16, Created)
DT 01-MAR-2001 (TREMBlrel. 16, Last sequence update)
DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE Small subunit of protein C.
GN GRDD.
OS Clostridium sticklandii.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia;
OC Clostridiales; Clostridiaceae; Clostridium.
OX NCBI_TaxID=1511;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-DSM 519T;
RX MEDLINE=21089007; PubMed=11271425;
RA Graentzdorffer A., Fitch A., Andreesen J.R.;
RT "Molecular analysis of the grid-operon encoded proteins of the glycine
RT reductase and thiorodoxinsystem from Clostridium sticklandii.";
RL Arch. Microbiol. 175:8-18(2001).
DR EMBL; AJ276209; CAC14303.1; -.
DR InterPro; IPR003664; FA_synthesis.
DR Pfam; PF02504; FA_synthesis; 1.
SQ SEQUENCE 388 AA; 41196 MW; FC757A5F5833A0E2 CRC64;

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Query Match      100.0%; Score 31; DB 2; Length 388;
Best Local Similarity 45.5%; Pred. No. 7.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 313 EEVVPQPKV 323

RESULT 61
Q9HEF7 PRELIMINARY; PRT; 390 AA.
AC Q9HEF7;
DT 01-WAR-2001 (TrEMBLrel. 16, Created)
DT 01-WAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Conserved hypothetical protein.
GN 65E11.90.
OS Neurospora crassa.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;
OC Sordariales; Sordariaceae; Neurospora.
OX NCBI_TaxID=5141;
RN [1]
RP SEQUENCE FROM N.A.
RA Schulte U., Algn V., Hoheisel J., Brandt P., Fartmann B., Holland R.,
RA Nyakatura G., Mewes H.W., Mannhaupt G.;
RL Submitted (DEC-2000) to the EMBL/GenBank/DBJ databases.
RN [2]
RP SEQUENCE FROM N.A.
RA German Neurospora genome project;
RL Submitted (DEC-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL451021; CAC18293.1; -
KW Hypothetical protein.
SQ SEQUENCE 390 AA; 45472 MW; 7AAC8E6085054F3F CRC64;

Query Match      100.0%; Score 31; DB 3; Length 390;
Best Local Similarity 45.5%; Pred. No. 7.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 251 EEVVPKTRRE 261

RESULT 62
Q22101 PRELIMINARY; PRT; 390 AA.
AC Q22101;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Hypothetical 40.7 kDa protein.
GN T0265.7.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematozoa; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Pelodierinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RA STRAIN=BRISTOL N2;
RX MEDLINE=99069613; PubMed=9851916;
RA None;
RT "Genome sequence of the nematode C. elegans: a platform for
RT investigating biology. The C. elegans Sequencing Consortium.";
RL Science 282:2012-2018(1998).
RN [2]
RP SEQUENCE FROM N.A.
RA STRAIN=BRISTOL N2;
RA Pauley A.;
RT "The sequence of C. elegans cosmid T0265.";
RL Submitted (DEC-1995) to the EMBL/GenBank/DBJ databases.
RN [3]
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RP SEQUENCE FROM N.A.
RC STRAIN=BRISTOL N2;
RA Waterston R.;
RT "Direct Submission.";
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; U41105; AAA82398.1; -
DR HSSP; P27796; IAFY.
DR InterPro; IPR002155; Thiolase.
DR Pfam; PF00108; thiolase_1.
DR Pfam; PF02803; thiolase_C; 1.
DR PROSITE; PS00098; THIOLEASE_1; UNKNOWN_1.
DR PROSITE; PS00737; THIOLEASE_2; 1.
DR PROSITE; PS00099; THIOLEASE_3; 1.
DR PROSITE; PS00430; TONB_DEPENDENT_REC_1; UNKNOWN_1.
KW Hypothetical protein.
SQ SEQUENCE 390 AA; 40728 MW; FA8DB544ECB87F14 CRC64;

Query Match      100.0%; Score 31; DB 5; Length 390;
Best Local Similarity 45.5%; Pred. No. 7.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 197 EEVVPVSKTS 207

RESULT 63
O50654 PRELIMINARY; PRT; 401 AA.
AC O50654;
DT 01-JUN-1998 (TrEMBLrel. 06, Created)
DT 01-JUN-1998 (TrEMBLrel. 06, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Transposase.
OS Pseudomonas glumae.
OC Bacteria; Proteobacteria; beta subdivision; Burkholderia group;
OC Burkholderia.
OX NCBI_TaxID=337;
RN [1]
RP SEQUENCE FROM N.A.
RA Takagi M., Yoneyama K.;
RT "The insertion sequence, IS2 like DNA, from Burkholderia glumae.";
RL Submitted (FEB-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AB011023; BAA24920.1; -
DR InterPro; IPR001584; Rve.
DR InterPro; IPR002514; Transposase_8.
DR Pfam; PF00665; rve; 1.
DR Pfam; PF01527; Transposase_8; 1.
SQ SEQUENCE 401 AA; 45132 MW; F955879C40BAE97A CRC64;

Query Match      100.0%; Score 31; DB 2; Length 401;
Best Local Similarity 45.5%; Pred. No. 8.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 65 EEVVPASELAD 75

RESULT 64
Q8TX87 PRELIMINARY; PRT; 402 AA.
AC Q8TX87;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Fe-S oxidoreductase family protein.
GN MK0788.
OS Methanopyrus kandleri.
OC Archaea; Euryarchaeota; Methanopyri; Methanopyraceae;
OC Methanopyrus.
OX NCBI_TaxID=2320;
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RN  SEQUENCE FROM N.A.
RC  STRAIN=AV19 / DSM 6324 / JCM 9639;
RX  MEDLINE=21927647; PubMed=11930014;
RA  Shesarev A.I., Mezhevaya K.V., Makarova K.S., Polushin N.N.,
RA  Shcherbinina O.V., Shakhova V.V., Belova G.I., Aravind L.,
RA  Tale D.A., Rogozin I.B., Tatusov R.L., Wolf Y.I., Stetter K.O.,
RA  Malykh A.G., Koonin E.V., Kozaykin S.A.;
RT  "The complete genome of hyperthermophile Methanopyrus kandleri AV19
RT  and monophyly of archaeal methanogens";
RL  Proc. Natl. Acad. Sci. U.S.A. 99:4644-4649(2002).
DR  EMBL; AE010370; AA02002.1; -
KW  Complete proteome.
SQ  SEQUENCE 402 AA; 45232 MW; D06AE9B3B9A300E CRC64;

Query Match 100.0%; Score 31; DB 17; Length 402;
Best Local Similarity 45.5%; Pred. No. 8.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 101 EEVVPVRLREL 111

RESULT 65
Q9VX08 PRELIMINARY; PRT; 409 AA.
AC Q9VX08;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE CG6769 protein (LD10434P).
GN CG6769.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN 1;
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scher S.E., Li P.W., Hoskins R.A., Galie R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.H.C., Blazej R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.B.G.,
RA April J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Bertram B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brockstein P., Brotter P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Paulis B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Dou L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferrieria S., Fleischmann W.,
RA Fosler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai X.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.F., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.N., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacle J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
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RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster."
RL Science 287:2185-2195(2000).
RN 12;
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RA Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J.,
RA Champe M., Chavez C., Dorsett V., Farfan D., Frise E., George R.,
RA Gonzalez M., Guarin H., Li P., Liao G., Miranda A., Mungall C.J.,
RA Nunoo J., Pacle J., Paragas V., Park S., Phouanavong S., Wan K.,
RA Yu C., Lewis S.E., Rubin G.M., Celniker S.;
RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AE003507; AAF48775.1; -
DR EMBL; AY061122; AAL28670.1; -
DR FlyBase; FBgn0030878; CG6769.
DR InterPro; IPR000822; Znf_C2H2.
DR InterPro; IPR003604; Znf_U1.
DR Pfam; PF00096; zf-C2H2; 2.
DR SMART; SM00355; Znf_C2H2; 3.
DR SMART; SM00451; Znf_U1; 2.
DR PROSITE; PS00028; ZINC_FINGER_C2H2_1; UNKNOWN_2.
KW DNA-binding; Zinc-finger.
SQ SEQUENCE 409 AA; 47078 MW; 226A1AE0AFFA4E67 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 409;
Best Local Similarity 45.5%; Pred. No. 8.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 301 EEVVPDLDDG 311

RESULT 66
Q9PDF2 PRELIMINARY; PRT; 411 AA.
AC Q9PDF2;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Succinylornithine aminotransferase.
GN Xf1427.
OS Xylella fastidiosa.
OC Bacteria; Proteobacteria; gamma subdivision; Xanthomonas group;
OC Xylella.
OX NCBI_TaxID=2371;
RN 11;
RP SEQUENCE FROM N.A.
RC STRAIN=9A5C;
RX MEDLINE=20365717; PubMed=10910347;
RA Simpson A.J.G., Reilmach F.C., Araya J.E., Baia G.S., Baptista C.S.,
RA Alvaranga R., Alves L.M.C., Araya J.E., Bordin S., Bove J.M., Briones M.R.S.,
RA Barros M.H., Bonaccorsi E.D., Bordin S., Carraro D.M., Carrer H.,
RA Bueno M.R.P., Camargo A.A., Camargo L.E.A., Carraro D.M., Carrer H.,
RA Colauto N.B., Colombo C., Costa F.F., Costa M.C.R., Costa-Neto C.M.,
RA Facincani L.P., Cristofani M., Dias-Neto E., Docena C., El-Dorfi H.,
RA Facincani A.P., Ferreira A.J.S., Ferreira V.C.A., Ferro J.A.,
RA Fraga J.S., Franca S.C., Franco M.C., Frohme M., Furlan L.R.,
RA Garnier M., Goldman G.H., Goldman M.H.S., Gomes S.L., Gruber A.,
RA Ho P.L., Hoheisel J.D., Junqueira M.L., Kemper E.L., Kitajima J.P.,
RA Krieger J.E., Kuramae E.E., Laigret F., Lambais M.K., Leite L.C.C.,
RA Lemos E.G.M., Lemos M.V.F., Lopes S.A., Lopes C.R., Machado J.A.,
RA Machado M.A., Madeira A.M.B.N., Madeira H.M.F., Marino C.L.,
RA Marques M.V., Martins E.A.L., Martins E.M.F., Matsukuma A.Y.,
RA Menck C.F.M., Miracca E.C., Miyaki C.Y., Monteiro-Vitorello C.B.,
RA Moon D.H., Nagai M.A., Nascimento A.L.T.O., Netto L.E.S.,
RA Nhani A. Jr., Nobrega F.G., Nunes L.R., Oliveira M.A.,
RA de Oliveira M.C., de Oliveira R.C., Palmieri D.A., Paris A.,
RA Peixoto B.R., Pereira G.A.G., Pereira H.A. Jr., Pesquero J.B.,
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RA Quaggio R.B., Roberto P.G., Rodrigues V., de Rosa A.J.M.,  
 RA de Rosa V.E. Jr., de Sa R.G., Santelli R.V., Sawasaki H.E.,  
 RA da Silva A.C.R., da Silva A.M., da Silva F.R., Silva W.A. Jr.,  
 RA da Silveira J.F., Silvestri M.L.Z., Siqueira W.J., de Souza A.A.,  
 RA de Souza A.P., Terenzi M.F., Truffi D., Tsai S.M., Tsubako M.H.,  
 RA Vallada H., Van Sluys M.A., Verjovski-Almeida S., Vettore A.L.,  
 RA Zago M.A., Zatz M., Meidanis J., Secubal J.C.;  
 RT "The genome sequence of the plant pathogen *Xylella fastidiosa*,"  
 RL Nature 406:151-159(2000).  
 DR EMBL: AE003973; AAF84236.1; -;  
 DR HSSP: P04181; 20AT.  
 DR InterPro: IPR000954; Aminotran\_3.  
 DR InterPro: IPR004636; ArgD.  
 DR Pfam: PF00202; aminotran\_3; 1.  
 DR TIGRFAMS: TIGR00707; argD; 1.  
 DR PROSITE: PS00600; AA\_TRANSFER\_CLASS\_3; 1.  
 KW Complete proteome.  
 SQ SEQUENCE 411 AA; 43744 MW; D11C4C459E3935FF CRC64;  
  
 Query Match 100.0%; Score 31; DB 16; Length 411;  
 Best Local Similarity 45.5%; Pred. No. 8.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 Db 245 EEVVPDIVILA 255  
 |||||:||||:  
  
 RESULT 67  
 O69477 PRELIMINARY; PRT; 414 AA.  
 AC O69477;  
 DT 01-AUG-1998 (TREMBLrel. 07, Created)  
 DT 01-AUG-1998 (TREMBLrel. 07, Last sequence update)  
 DT 01-MAR-2002 (TREMBLrel. 20, Last annotation update)  
 DE Hypothetical protein ML1652.  
 GN ML1652 OR MLCB1243.23C.  
 OS Mycobacterium leprae.  
 OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;  
 OC Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.  
 OX NCBI\_TaxID=1769;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=TN;  
 RX MEDLINE=21128732; PubMed=11234002;  
 RA Cole S.T., Eigmeier K., Parkhill J., James K.D., Thomson N.R.,  
 RA Wheeler P.R., Honore N., Garnier T., Churcher C., Harris D.,  
 RA Mungall K., Basham D., Brown D., Chillingworth T., Connor R.,  
 RA Davies R.M., Devlin K., Duthoy S., Feltwell T., Fraser A., Hamlin N.,  
 RA Holroyd S., Hornsby T., Jagels K., Lacroix C., Maclean J., Moule S.,  
 RA Murphy L., Oliver K., Quail M.A., Rajandream M.A., Rutherford K.M.,  
 RA Rutter S., Seeger K., Simon S., Simmonds M., Skelton J., Squares R.,  
 RA Squares S., Stevens K., Taylor K., Whitehead S., Woodward J.R.,  
 RA Barrell B.G.;  
 RT "Massive gene decay in the leprosy bacillus,"  
 RL Nature 409:1007-1011(2001).  
 DR EMBL: AL023635; CRA19204.1; -;  
 DR EMBL: AL583922; CAC30603.1; -;  
 DR Leproma; ML1652; -;  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 414 AA; 44905 MW; B6E24E12FCFA3A97 CRC64;  
  
 Query Match 100.0%; Score 31; DB 16; Length 414;  
 Best Local Similarity 45.5%; Pred. No. 8.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 Db 120 EEVVPPLARSE 130  
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RESULT 68  
 Q9LAY8

ID Q9LAY8 PRELIMINARY; PRT; 416 AA.  
 AC Q9LAY8;  
 DT 01-OCT-2000 (TREMBLrel. 15, Created)  
 DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)  
 DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)  
 DE PspA (Fragment).  
 DE PSPA.  
 OS Streptococcus pneumoniae.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
 OC Streptococcaceae; Streptococcus.  
 OX NCBI\_TaxID=1313;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BG8838;  
 RX MEDLINE=20448953; PubMed=10929499;  
 RA Hollingshead S.K., Becker R., Briles D.E.;  
 RT "Diversity of PspA: mosaic genes and evidence for past recombination  
 RT in Streptococcus pneumoniae,";  
 RL Infect. Immun. 68:5889-5900(2000).  
 DR EMBL: AF071807; AAF27703.1; -;  
 DR InterPro: IPR002965; P\_rich\_extensn.  
 DR InterPro: IPR000533; Tropomyosin.  
 DR PRINTS: PR01217; PRICHEXTENS.  
 DR PRINTS: PR00194; TROPOMYOSIN.  
 FT NON\_TER 416 416  
 SQ SEQUENCE 416 AA; 45987 MW; 990C8858BC6B12C7 CRC64;  
  
 Query Match 100.0%; Score 31; DB 2; Length 416;  
 Best Local Similarity 45.5%; Pred. No. 8.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 Db 207 EEVVPQAKIAE 217  
 |||||:||||:  
  
 RESULT 69  
 Q9UYL6 PRELIMINARY; PRT; 419 AA.  
 AC Q9UYL6;  
 DT 01-MAY-2000 (TREMBLrel. 13, Created)  
 DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)  
 DT 01-MAR-2002 (TREMBLrel. 20, Last annotation update)  
 DE Putative flagella-related protein D OR E.  
 GN PAB1382.  
 OS Pyrococcus abyssi.  
 OC Archaea; Euryarchaeota; Thermococci; Thermococcaceae;  
 OC Pyrococcus.  
 OX NCBI\_TaxID=29292;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=ORSAY;  
 RA Heilig R.;  
 RT "Pyrococcus abyssi genome sequence: Insights into archaeal chromosome  
 RT structure and evolution,";  
 RL Submitted (JUL-1999) to the EMBL/GenBank/DBJ databases.  
 DR EMBL: AJ248287; CAB50396.1; -;  
 DR HSSP: P05099; IAQ5.  
 KW Complete proteome.  
 SQ SEQUENCE 419 AA; 48370 MW; A0A44E441C258E92 CRC64;  
  
 Query Match 100.0%; Score 31; DB 17; Length 419;  
 Best Local Similarity 45.5%; Pred. No. 8.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
 QY 1 EEVVPXXXXXX 11  
 Db 201 EEVPEEVEVE 211  
 |||||:||||:  
  
 RESULT 70  
 Q93HF1 PRELIMINARY; PRT; 423 AA.  
 ID Q93HF1

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AC Q93HF1;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Putative glycosyltransferase.
OS Streptomyces avermitilis.
OC Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
OC Actinomycetales; Streptomycineae; Streptomycetaceae; Streptomycetes.
OX NCBI_TaxID=33903;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21477403; PubMed=11572948;
RA Omura S., Ikeda H., Ishikawa J., Hanamoto A., Takahashi C.,
RA Shinose M., Takahashi Y., Horikawa H., Nakazawa H., Osonoe T.,
RA Kikuchi H., Shiba T., Sakaki Y., Hattori M.;
RT "genome sequence of an industrial microorganism Streptomyces
RT avermitilis: Deducing the ability of producing secondary
RT metabolites.";
RL Proc. Natl. Acad. Sci. U.S.A. 98:12215-12220(2001).
DR EMBL; AB070944; BAB69236.1; -.
KW Transferase.
SQ SEQUENCE 423 AA; 45637 MW; BD66137DEBDBA3 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 423;
Best Local Similarity 45.5%; Pred. No. 8.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 209 EEVVPDPHDWG 219
|||||:|||||:

RESULT 71
Q9BPS3 PRELIMINARY; PRT; 423 AA.
AC Q9BPS3;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Elongation factor 1 gamma.
GN EF-1G.
OS Bombyx mori (Silk moth).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pieris; Pieridae; Pierinae; Pierini; Pieris; Pieris; Pieris;
OC Bombycoidea; Bombycidae; Bombyx.
OX NCBI_TaxID=7091;
RN [1]
RP SEQUENCE FROM N.A.
RX TISSUE=SILK GLAND;
RA Kamile K., Taira H., Kobayashi K., Matsuzawa H., Nomura Y.,
RA Yamashita T., Kidou S., Ejiri S.;
RT "Expression of elongation factor 1 gamma in Escherichia coli.";
RL Submitted (JUL-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; AB046361; BAB21108.1; -.
DR InterPro; IPR001662; EFLG.
DR InterPro; IPR004046; GST_Cterm.
DR InterPro; IPR004045; GST_Nterm.
DR Pfam; PF00647; EFLG_domain; 1.
DR Pfam; PF00043; GST_C; 1.
DR Pfam; PF02798; GST_N; 1.
DR ProDom; PD006217; EFLG; 1.
DR PROSITE; PS50040; EFLG; 1.
SQ SEQUENCE 423 AA; 48388 MW; DBFC4864A7579FB1 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 423;
Best Local Similarity 45.5%; Pred. No. 8.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 247 EEVVPDEEEE 257
|||||:|||||:

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RESULT 72
Q39331 PRELIMINARY; PRT; 425 AA.
AC Q39331;
DT 01-NOV-1996 (TrEMBLrel. 01, Created)
DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Cyclin.
OS Brassica napus (Rape).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eurosids II; Brassicales; Brassicaceae; Brassica.
OX NCBI_TaxID=3708;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=WESTAR;
RA Szarka S.J., Fitch M., Moloney M.M.;
RT "Characterization of a cyclin domain containing gene family in
RT Brassica napus.";
RL Submitted (NOV-1994) to the EMBL/GenBank/DBJ databases.
CC -1- SIMILARITY: BELONGS TO THE CYCLIN FAMILY.
DR EMBL; L25406; AAA51660.1; -.
DR HSP; P20248; IJ5U.
DR InterPro; IPR004366; Cyclin.
DR InterPro; IPR004367; Cyclin_Cterm.
DR Pfam; PF00134; cyclin; 1.
DR Pfam; PF02984; cyclin_C; 1.
DR SMART; SM00385; CYCLIN; 2.
DR PROSITE; PS00292; CYCLINS; 1.
KW Cell cycle; Cell division; Cyclin.
SQ SEQUENCE 425 AA; 48020 MW; 2C2135E85C876FEA CRC64;

Query Match 100.0%; Score 31; DB 10; Length 425;
Best Local Similarity 45.5%; Pred. No. 8.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 104 EEVVPPIERKAF 114
|||||:|||||:

RESULT 73
Q58337 PRELIMINARY; PRT; 431 AA.
AC Q58337;
DT 01-AUG-1998 (TrEMBLrel. 07, Created)
DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Hypothetical protein PH0580.
GN PH0580.
OS Pyrococcus horikoshii.
OC Archaea; Euryarchaeota; Thermococci; Thermococcales; Thermococcaceae;
OC Pyrococcus.
OX NCBI_TaxID=53953;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=OT3;
RA Kawarabayashi Y., Sawada M., Horikawa H., Haikawa Y., Hino Y.,
RA Yamamoto S., Sekine M., Baba S.-I., Kosugi H., Hosoyama A., Nagai Y.,
RA Sakai M., Ogura K., Otsuka R., Nakazawa H., Takamiya M., Ohfuku Y.,
RA Funahashi T., Tanaka T., Kudoh Y., Yamazaki J., Kishida N., Oguchi A.,
RA Aoki K.-I., Yoshizawa T., Nakamura Y., Robb F.T., Horikoshi K.,
RA Masuchi Y., Shizuya H., Kikuchi H.;
RT "Complete sequence and gene organization of the genome of a hyper-
RT thermophilic archaeobacterium, Pyrococcus horikoshii OT3.";
RL DNA Res. 5:55-76(1998).
DR EMBL; AP000002; BAA29669.1; -.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 431 AA; 49664 MW; D44BE4BA62E894D6 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 431;
Best Local Similarity 45.5%; Pred. No. 8.7e+02;

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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EEVVPVXXXXXX 11
    |||||:
Db 348 EEVVPLLRRIR 358

RESULT 74
P73669 PRELIMINARY; PRT; 435 AA.
AC P73669;
DT 01-FEB-1997 (TrEMBLrel. 02, Created)
DT 01-FEB-1997 (TrEMBLrel. 02, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Processing protease.
SLL2009.
OS Synechocystis sp. (strain PCC 6803).
OC Bacteria; Cyanobacteria; Chroococcales; Synechocystis.
OX NCBI_TaxID=11148;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=97061201; PubMed=8905231;
RA Kaneko T., Sato S., Kotani H., Tanaka A., Asamizu E., Nakamura Y.,
RA Miyajima N., Hirosewa M., Sugiura M., Sasamoto S., Kimura T.,
RA Hosouchi T., Matsuno A., Muraki A., Nakazaki N., Naruo K., Okumura S.,
RA Shimpō S., Takeuchi C., Wada T., Watanabe A., Yamada M., Yasuda M.,
RA Tabata S.;
RT "Sequence analysis of the genome of the unicellular cyanobacterium
RT Synechocystis sp. strain PCC6803. II. Sequence determination of the
RT entire genome and assignment of potential protein-coding regions.";
RL DNA Res. 3:109-136(1996).
DR EMBL; D90908; BAA17714.1; -.
DR InterPro; IPR001431; Peptidase_M16.
DR Pfam; PF00675; Peptidase_M16; 1.
KW Protease; Complete proteome.
SQ SEQUENCE 435 AA; 48104 MW; AB7C22AD51B756F7 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 435;
Best Local Similarity 45.5%; Pred. No. 8.8e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EEVVPVXXXXXX 11
    |||||:
Db 166 EEVVPHTAQD 176

RESULT 75
Q981Y9 PRELIMINARY; PRT; 448 AA.
AC Q981Y9;
DT 01-OCT-2001 (TrEMBLrel. 18, Created)
DT 01-OCT-2001 (TrEMBLrel. 18, Last sequence update)
DT 01-OCT-2001 (TrEMBLrel. 18, Last annotation update)
DE Nitroliotacetate monooxygenase component A (EC 1.14.13.).
GN ML9178.
OS Rhizobium loti (Mesorhizobium loti).
OC Plasmid pMLA.
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;
OC Phyllobacteriaceae; Mesorhizobium.
OX NCBI_TaxID=381;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=MAFF303099;
RX MEDLINE=21082930; PubMed=11214968;
RA Kaneko T., Nakamura Y., Sato S., Asamizu E., Kato T., Sasamoto S.,
RA Watanabe A., Idesawa K., Ishikawa A., Kawashima K., Kimura T.,
RA Kishida Y., Kiyokawa C., Kohara M., Matsumoto M., Matsuno A.,
RA Mochizuki Y., Nakayama S., Nakazaki N., Shimpō S., Sugimoto M.,
RA Takeuchi C., Yamada M., Tabata S.;
RT "Complete genome structure of the nitrogen-fixing symbiotic bacterium
RT Mesorhizobium loti.";
RL DNA Res. 7:331-338(2000).
DR EMBL; AP003015; BAB54570.1; -.

```



Best Local Similarity 45.5%; Pred. No. 9.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
Db 113 EEVVPPTQC 123

RESULT 77  
Q8XAR0 PRELIMINARY; PRT; 452 AA.  
AC Q8XAR0;  
DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE Orf, hypothetical protein.  
GN YCDT OR Z1527 OR ECI271.  
OS Escherichia coli O157:H7.  
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;  
OC Escherichia.  
OX NCBI\_TaxID=83334;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN-O157:H7 / EDL933 / ATCC 700927;  
RX MEDLINE=21074935; PubMed=11206551;  
RA Perna N.T., Plunkett G. III, Burland V., Mau B., Glasner J.D.,  
RA Rose D.J., Mayhew G.F., Evans P.S., Gregor J., Kirkpatrick H.A.,  
RA Posfai G., Hackett J., Klink S., Boutin A., Shao Y., Miller L.,  
RA Grobeck E.J., Davis N.W., Lim A., Dimalanta E.T., Potamouis K.,  
RA Apodaca J., Anantharaman T.S., Lin J., Yen G., Schwartz D.C.,  
RA Welch R.A., Blattner F.R.;  
RT "Genome sequence of enterohaemorrhagic Escherichia coli O157:H7";  
RL Nature 409:529-533(2001).  
RN [2]  
RP SEQUENCE FROM N.A.  
RC STRAIN-O157:H7 / RIMD 0509952;  
RX MEDLINE=21156231; PubMed=11258796;  
RA Hayashi T., Makino K., Ohnishi M., Kurokawa K., Ishii K., Yokoyama K.,  
RA Han C.-G., Ohtsubo E., Nakayama K., Murata T., Tanaka M., Tobe T.,  
RA Iida T., Takami H., Honda T., Sasakawa C., Ogasawara N., Yasunaga T.,  
RA Kuhara S., Shiba T., Hattori M., Shinagawa H.;  
RT "Complete genome sequence of enterohaemorrhagic Escherichia coli  
O157:H7 and genomic comparison with a laboratory strain K-12.";  
RL DNA Res. 8:111-22(2001).  
DR EMBL: AE005302; BAG55643.1; -;  
DR EMBL: AF002554; BAB34694.1; -;  
DR InterPro: IPR000160; GGDEF.  
DR Pfam: PF00990; GGDEF; 1.  
DR SMART: SM00267; DUF1; 1.  
DR TIGRFAMS: TIGR00254; GGDEF; 1.  
KW Complete proteome.  
SQ SEQUENCE 452 AA; 51641 MW; 3318A9FC08C677ED CRC64;

Query Match 100.0%; Score 31; DB 16; Length 452;  
Best Local Similarity 45.5%; Pred. No. 9.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
Db 35 EEVVPSTYLM 45

RESULT 78  
Q9AE36 PRELIMINARY; PRT; 454 AA.  
AC Q9AE36;  
DT 01-JUN-2001 (TrEMBLrel. 17, Created)  
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE TonB protein.  
GN TONB.  
OS Rhizobium leguminosarum.  
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;

Rhizobiaceae; Rhizobium.  
OX NCBI\_TaxID=384;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=8401(PRL1J1);  
RA Wexler M., Yeoman K.H., Stevens J.B., De Luca N.G., Savers G.,  
RA Johnston A.W.B.;  
RT "Rhizobium leguminosarum tonB is required for siderophore and haem  
uptake and is next to hmu haem uptake genes";  
RL Submitted (MAR-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL: AJ310723; CAC34389.1; -;  
DR InterPro: IPR003538; TonB.  
DR Pfam: PF03544; TonB; 1.  
DR PRINTS: PR01374; TONBPROTEIN.  
FT CHAIN 2 454 TONB.  
SQ SEQUENCE 454 AA; 48464 MW; A1AC31E8FC456095 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 454;  
Best Local Similarity 45.5%; Pred. No. 9.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
Db 268 EEVPTAVQPT 278

RESULT 79  
Q93ZG6 PRELIMINARY; PRT; 455 AA.  
ID Q93ZG6  
AC Q93ZG6;  
DT 01-DEC-2001 (TrEMBLrel. 19, Created)  
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE AT4g29060/F19B15\_90 (Hypothetical 48.8 kDa protein).  
GN AT4g29060.  
OS Arabidopsis thaliana (Mouse-ear cress).  
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
OX NCBI\_TaxID=3702;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Cheuk R., Chen H., Kim C.J., Koesema E., Meyers M.C., Banh J.,  
RA Bowser L., Carninci P., Dale J.M., Goldsmith A.D., Hayashizaki Y.,  
RA Ishida J., Jiang P.X., Jones T., Kamiya A., Karlin-Neumann G.,  
RA Kawai J., Lam B., Lee J.M., Lin J., Liu S.X., Miranda M., Narusaka M.,  
RA Nguyen M., Onodera C.S., Palm C.J., Pham P.K., Quach H.L., Sakurai T.,  
RA Satou M., Seki M., Southwick A., Tang C.C., Toriumi M., Yamada K.,  
RA Yamamura Y., Yu G., Yu S., Shinozaki K., Davis R.W., Theologis A.,  
RA Ecker J.R.;  
RT "Arabidopsis cDNA clones";  
RN Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.  
RN [2]  
RP SEQUENCE FROM N.A.  
RA Yamada K., Banh J., Chan M.M., Chang C.H., Chang E., Dale J.M.,  
RA Deng J.M., Goldsmith A.D., Lee J.M., Onodera C.S., Quach H.L.,  
RA Tang C., Toriumi M., Wu H.C., Yamamura Y., Yu G., Bowser L.,  
RA Carninci P., Chen H., Cheuk R., Hayashizaki Y., Ishida J., Jones T.,  
RA Kamiya A., Karlin-Neumann G., Kawai J., Kim C., Lam B., Lin J.,  
RA Meyers M.C., Miranda M., Narusaka M., Nguyen M., Palm C.J.,  
RA Sakurai T., Satou M., Seki M., Shinn P., Southwick A., Shinozaki K.,  
RA Davis R.W., Ecker J.R., Theologis A.;  
RT "Full Length cDNA of gene At4g29060 (GI:15235550).";  
RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.  
DR EMBL: AY057550; AAL09789.1; -;  
DR EMBL: AY074270; AAL66967.1; -;  
DR InterPro: IPR003029; S1.  
DR Pfam: PF00575; S1; 2.  
KW Hypothetical protein.  
SQ SEQUENCE 455 AA; 48827 MW; 6D344CD94549351D CRC64;

Query Match 100.0%; Score 31; DB 10; Length 455;  
Best Local Similarity 45.5%; Pred. No. 9.2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 438 EEVVPPIPETK 448

## RESULT 80

ID Q8UYU2 PRELIMINARY; PRT; 456 AA.  
 AC Q8UYU2;  
 DT 01-MAR-2002 (TReMBLrel. 20, Created)  
 DT 01-MAR-2002 (TReMBLrel. 20, Last sequence update)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
 DE Polypeptide (fragment).  
 OS Soybean mosaic virus.  
 OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;  
 OC Potyvirus.  
 OX NCBI\_TaxID=12222;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=CN-18;  
 RA Choi C.W., Koo J.M., Choi B.K., Ryu K.H.;  
 RT "Proteolytic processing of E. coli-expressed P1/HC-Pro complex in  
 RT Soybean mosaic virus";  
 RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AJ428414; CAD21440.1; -;  
 DR InterPro; IPR001456; Peptidase\_C6.  
 DR Pfam; PF00851; Peptidase\_C6; 1.  
 FT NON\_TER 1  
 FT 456 456  
 SQ SEQUENCE 456 AA; 52127 MW; 9783629F3779DFA5 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 456;  
 Best Local Similarity 45.5%; Pred. No. 9.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 223 EEVVPSEGYK 233

## RESULT 81

ID Q8R7Q9 PRELIMINARY; PRT; 473 AA.  
 AC Q8R7Q9;  
 DT 01-JUN-2002 (TReMBLrel. 21, Created)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
 DE PLP-dependent aminotransferases.  
 GN ARGD OR TTE2339.  
 OS Thermoanaerobacter tengcongensis.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia;  
 OC Thermoanaerobacteriales; Thermoanaerobacteriaceae; Thermoanaerobacter.  
 OX NCBI\_TaxID=119072;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=MB4T / JCM11007;  
 RX MEDLINE=21992816; PubMed=11997336;  
 RA Bao Q., Tian Y., Li W., Xu Z., Xuan Z., Hu S., Dong W., Yang J.,  
 RA Chen Y., Xue Y., Xu Y., Lai X., Huang L., Dong X., Ma Y., Ling L.,  
 RA Tan H., Chen R., Wang J., Yu J., Yang H.;  
 RT "A complete sequence of T. tengcongensis genome";  
 RL Genome Res. 12:689-700(2002).  
 DR EMBL; AE013176; AA025480.1; -;  
 KW Transferase; Aminotransferase; Complete proteome.  
 SQ SEQUENCE 473 AA; 51978 MW; 9E42DA6A651E817B CRC64;

Query Match 100.0%; Score 31; DB 16; Length 473;  
 Best Local Similarity 45.5%; Pred. No. 9.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 265 EEVVPDINTLA 275  
 |||||:||||:

## RESULT 82

ID Q9HM45 PRELIMINARY; PRT; 477 AA.  
 AC Q9HM45;  
 DT 01-MAR-2001 (TReMBLrel. 16, Created)  
 DT 01-MAR-2001 (TReMBLrel. 16, Last sequence update)  
 DT 01-MAR-2001 (TReMBLrel. 16, Last annotation update)  
 DE Hypothetical protein Ta0024.  
 GN TA0024.  
 OS Thermoplasma acidophilum.  
 OC Archaea; Euryarchaeota; Thermoplasmata; Thermoplasmales;  
 OC Thermoplasmataceae; Thermoplasma.  
 OX NCBI\_TaxID=2303;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=DSM 1728;  
 RX MEDLINE=20479972; PubMed=11029001;  
 RA Ruepp A., Graml W., Santos-Martinez M.-L., Koretke K.K., Volker C.,  
 RA Mewes H.-W., Frishman D., Stocker S., Lupas A.N., Baumeister W.;  
 RT "The genome sequence of the thermoacidophilic scavenger thermoplasma  
 RT acidophilum";  
 RL Nature 407:508-513(2000).  
 DR EMBL; AL445063; CAC11173.1; -;  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 477 AA; 55114 MW; 0F511503C23B61E2 CRC64;

Query Match 100.0%; Score 31; DB 17; Length 477;  
 Best Local Similarity 45.5%; Pred. No. 9.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 357 EEVVPGRCTK 367

## RESULT 83

ID O64067 PRELIMINARY; PRT; 478 AA.  
 AC O64067;  
 DT 01-AUG-1998 (TReMBLrel. 07, Created)  
 DT 01-AUG-1998 (TReMBLrel. 07, Last sequence update)  
 DT 01-DEC-2001 (TReMBLrel. 19, Last annotation update)  
 DE Hypothetical 55.0 kDa protein.  
 GN YOND.  
 OS Bacteriophage SPBC2.  
 OC Viruses; dsDNA viruses, no RNA stage; Caudovirales; Siphoviridae.  
 OX NCBI\_TaxID=66797;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Lazarevic V., Duesterhoeft A., Soldo B., Hilbert H., Maue C.,  
 RA Karamata D.;  
 RT "The complete nucleotide sequence of the Bacillus subtilis SPbetac2  
 RT prophage";  
 RL Submitted (AUG-1997) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF020713; AAC13027.1; -;  
 KW Hypothetical protein.  
 SQ SEQUENCE 478 AA; 55050 MW; 6FF7495A957D4A4F CRC64;

Query Match 100.0%; Score 31; DB 9; Length 478;  
 Best Local Similarity 45.5%; Pred. No. 9.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 319 EEVVPPIQSQ 329

## RESULT 84

O31954

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ID O31954 PRELIMINARY; PRT; 478 AA.
AC O31954;
DT 01-JAN-1998 (TrEMBLrel. 05, Created)
DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE YOND protein.
GN YOND.
OS Bacillus subtilis.
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Bacillales;
OC Bacillaceae; Bacillus.
OX NCBI_TaxID=1423;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=168;
RX MEDLINE=98044033; PubMed=9384377;
RA Kunst F., Ogasawara N., Moszer I., Albertini A.M., Alloni G.,
RA Azevedo V., Bertero M.G., Bessieres P., Bolotin A., Borchert S.,
RA Borriss R., Boursier L., Brans A., Braun M., Brignell S.C., Bron S.,
RA Brouillet S., Bruchi C.V., Caldwell B., Capuano V., Carter N.M.,
RA Choi S.K., Codani J.J., Conneron I.F., Cummings N.J., Daniel R.A.,
RA Denizot F., Devine K.M., Dusterhoft A., Ehrlich S.D., Emerson P.T.,
RA Entian K.D., Errington J., Fabret C., Ferrari E., Foulger D.,
RA Fritz C., Fujita M., Fujita Y., Fuma S., Galizzi A., Galleron N.,
RA Ghim S.Y., Glaser P., Goffeau A., Golightly E.J., Grandi G.,
RA Guisepi G., Guy B.J., Haga K., Haiech J., Harwood C.R., Henaut A.,
RA Hilbert H., Holsappel S., Hosono S., Hullo M.F., Itaya M., Jones L.,
RA Joris B., Karamata D., Kasahara Y., Klaerr-Blanchard M., Klein C.,
RA Kobayashi Y., Koetter P., Koningsstein G., Krogh S., Kumano M.,
RA Kurita K., Lapidus A., Lardinois S., Lauber J., Lazarevic V.,
RA Lee S.M., Levine A., Liu H., Masuda S., Manuel C., Medigic C.,
RA Medina N., Mellado R.P., Mizuno M., Moestl D., Nakai S., Noback M.,
RA Noone D., O'Reilly M., Ogawa K., Ogiwara A., Oudega B., Park S.H.,
RA Parro V., Pohl T.M., Portetelle D., Porwollik S., Prescott A.M.,
RA Presecan E., Pujic P., Purnelle B., Rapoport G., Rey M., Reynolds S.,
RA Rieger M., Rivolta C., Rocha E., Roche B., Rose M., Sadaie Y.,
RA Sato T., Scanlan E., Schleich S., Schroeter R., Scoffone F.,
RA Sekiguchi J., Sekowska A., Seror S.J., Serror P., Shin B.S., Soldo B.,
RA Sorokin A., Tacconi E., Takagi T., Takahashi H., Takemaru K.,
RA Takeuchi M., Tamakoshi A., Tanaka T., Terpstra P., Tognoni A.,
RA Tosato V., Uchiyama S., Vandenbol M., Vannier F., Vassarotti A.,
RA Viari A., Wambutt R., Wedler E., Wedler H., Weitzenecker T.,
RA Winters P., Wipet A., Yamamoto H., Yamane K., Yasumoto K., Yata K.,
RA Yoshida K., Yoshikawa H.F., Zumbstein E., Yoshikawa H., Danchin A.;
RT "The complete genome sequence of the gram-positive bacterium Bacillus
RT subtilis."
RL Nature 390:249-256(1997).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=168;
RA Kunst F., Ogasawara N., Yoshikawa H., Danchin A.;
RL Submitted (NOV-1997) to the EMBL/GenBank/DBJ databases.
DR EMBL; Z99115; CAB14031.1;
KW Complete proteome.
SQ SEQUENCE 478 AA; 55050 MW; 6FF7495A957D4A4F CRC64;

Query Match 100.0%; Score 31; DB 16; Length 478;
Best Local Similarity 45.5%; Pred. No. 9.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 319 EEVVPPIQSQ 329
|||||:||||:

RESULT 85
Q9RXH8 PRELIMINARY; PRT; 478 AA.
AC Q9RXH8;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE ATP-dependent RNA helicase, putative.
GN DR0335;

OS Deinococcus radiodurans.
OC Bacteria; Thermus/Deinococcus group; Deinococci; Deinococcales;
OC Deinococcaceae; Deinococcus.
OX NCBI_TaxID=1299;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=R1;
RX MEDLINE=20036896; PubMed=10567266;
RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,
RA Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,
RA Moffat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,
RA Vamathevan J.J., Lam P., McDonald L., Otterback T., Zalewski C.,
RA Makareva K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,
RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,
RA Fraser C.M.;
RT "Genome sequence of the radioresistant bacterium Deinococcus
RT radiodurans R1."
RL Science 286:1571-1577(1999).
CC -1- SIMILARITY: TO DEAD/DEAH BOX HELICASE FAMILY.
CC -1- SIMILARITY: TO HELICASE C-TERMINAL DOMAIN.
DR EMBL; AE001894; AAF09917.1;
DR HSSP; Q56243; 1C40.
DR TIGR; DR0335;
DR InterPro; IPR001410; DEAD.
DR InterPro; IPR000629; DEAD_box.
DR InterPro; IPR001650; Helicase_C.
DR Pfam; PF00270; DEAD; 1.
DR Pfam; PF00271; helicase_C; 1.
DR SMART; SM00487; DEXDC; 1.
DR SMART; SM00490; HELIC; 1.
DR PROSITE; PS00039; DEAD_ATP_HELICASE; UNKNOWN_1.
KW ATP-binding; Helicase; Complete proteome.
SQ SEQUENCE 478 AA; 51162 MW; BA8E27B12CFB1942 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 478;
Best Local Similarity 45.5%; Pred. No. 9.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 314 EEVVPLEGND 324
|||||:||||:

RESULT 86
Q9BXK5 PRELIMINARY; PRT; 485 AA.
AC Q9BXK5;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Bcl-Rambo.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21276457; PubMed=11262395;
RA Kataoka T., Holler N., Micheau O., Martinon F., Tinel A., Hofmann K.,
RA Tschopp J.;
RT "Bcl-Rambo, a Novel Bcl-2 Homologue That Induces Apoptosis via Its
RT Unique C-terminal Extension."
RL J. Biol. Chem. 276:19548-19554(2001).
DR EMBL; AF325209; AAK27358.1;
DR InterPro; IPR000712; Bcl2_BH.
DR InterPro; IPR002475; BCL2_family.
DR Pfam; PF00452; Bcl-2; 1.
DR SMART; SM00337; BCL; 1.
DR PROSITE; PS50062; BCL2_FAMILY; 1.
SQ SEQUENCE 485 AA; 52723 MW; D940466511B6CE0 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 485;
Best Local Similarity 45.5%; Pred. No. 9.9e+02;
```

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||

DB 396 EEVVPALPEPE 406

## RESULT 87

Q96IB7 PRELIMINARY; PRT; 485 AA.

AC Q96IB7; (1)

DT 01-DEC-2001 (Tremblrel. 19, Created)

DT 01-DEC-2001 (Tremblrel. 19, Last sequence update)

DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)

DE Unknown (protein for MGC:747).

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI\_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RC TISSUE-EYE;

RA Strausberg R.;

RL Submitted (May-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; BC007658; AA07658.1; -

DR InterPro; IPR000712; BCL2.BH

DR InterPro; IPR002475; BCL2\_family.

DR Pfam; PF00452; BCL2; 1.

DR PROSITE; PS0062; BCL2\_FAMILY; 1.

SQ SEQUENCE 485 AA; 52713 MW; D9404667C11ABCE3 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 485;

Best Local Similarity 45.5%; Pred. No. 9.9e+02; Length 486;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||

DB 396 EEVVPALPEPE 406

## RESULT 88

Q96JJ7 PRELIMINARY; PRT; 486 AA.

AC Q96JJ7; (1)

DT 01-DEC-2001 (Tremblrel. 19, Created)

DT 01-DEC-2001 (Tremblrel. 19, Last sequence update)

DT 01-MAR-2002 (Tremblrel. 20, Last annotation update)

DE KIAA1830 protein (fragment).

GN KIAA1830.

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI\_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RC TISSUE-BRAIN;

RX MEDLINE=21245130; PubMed=11347906;

RA Nagase T., Nakayama M., Nakajima D., Kikuno R., Ohara O.;

RT "Prediction of the coding sequences of unidentified human genes. XX.

RT The complete sequences of 100 new cDNA clones from brain which code

RT for large proteins in vitro."

RL DNA Res. 8:85-95(2001).

DR EMBL; AB058733; BAB47459.1; -

DR InterPro; IPR000063; Thioled.

DR Pfam; PF00085; thioled; 1.

DR PROSITE; PS00194; THIOREDOXIN; UNKNOWN\_1.

FT NON\_TER

SQ SEQUENCE 486 AA; 55203 MW; C44E047822A6C78C CRC64;

Query Match 100.0%; Score 31; DB 4; Length 486;

Best Local Similarity 45.5%; Pred. No. 9.9e+02; Length 486;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||

DB 217 EEVVPYVTLK 227

## RESULT 89

Q96M73 PRELIMINARY; PRT; 488 AA.

AC Q96M73; (1)

DT 01-DEC-2001 (Tremblrel. 19, Created)

DT 01-DEC-2001 (Tremblrel. 19, Last sequence update)

DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)

DE CDNA FLJ32779 fis, clone TEST12002090.

OS Homo sapiens (Human).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI\_TaxID=9606;

RN [1]

RP SEQUENCE FROM N.A.

RC TISSUE-TESTIS;

RA Ishibashi T., Kanehori K., Yosida M., Watanabe S., Ishida S., Ono Y.,

RA Hotuta T., Hiraoka S., Murakawa K., Takiguchi S., Kusano J.,

RA Watanabe M., Fujimori K., Tanai H., Ishida M., Yamashita H., Chiba Y.,

RA Sugiyama T., Irie R., Otsuki T., Sato H., Wakamatsu A., Ishii S.,

RA Yamamoto J., Isono Y., Kawai-Hio Y., Saito K., Nishikawa T.,

RA Kimura K., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda K.,

RA Wadatsuna M., Takahashi-Fujii A., Oshima A., Sugiyama A., Kawakami B.,

RA Suzuki Y., Sugano S., Nagahari K., Masuho Y., Nagai K., Isogai T.;

RT "NEDO human cDNA sequencing project."

RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AK057341; BAB71436.1; -

SQ SEQUENCE 488 AA; 56742 MW; E27ACFB2D7E54F9B CRC64;

Query Match 100.0%; Score 31; DB 4; Length 488;

Best Local Similarity 45.5%; Pred. No. 9.9e+02; Length 488;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||

DB 101 EEVPPSNPDS 111

## RESULT 90

Q07316 PRELIMINARY; PRT; 502 AA.

AC Q07316; (1)

DT 01-JUL-1997 (Tremblrel. 04, Created)

DT 01-JUL-1997 (Tremblrel. 04, Last sequence update)

DT 01-JUN-2001 (Tremblrel. 17, Last annotation update)

DE Hypothetical 56.4 kDa protein.

OS Rhizobium meliloti (Sinorhizobium meliloti).

OG Plasmid pRm140.

OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;

OC Rhizobiaceae; Sinorhizobium.

OX NCBI\_TaxID=382;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=GR4;

RX MEDLINE=9812739; PubMed=9511748;

RA zekri S., Soto M.J., Toro N.;

RT "ISRM4-1 and ISRM9, two novel insertion sequences from Sinorhizobium

RT meliloti."

RL Gene 207:93-96(1998).

DR EMBL; Y13432; CAA73844.1; -

DR InterPro; IPR001584; Rve.

DR Pfam; PF00665; rve; 1.

KW Hypothetical protein; Plasmid.

SQ SEQUENCE 502 AA; 56389 MW; F289B7ADC79C93EB CRC64;

Query Match 100.0%; Score 31; DB 2; Length 502;

Best Local Similarity 45.5%; Pred. No. 1e+03; Length 502;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 68 EEVVPMLQSA 78

## RESULT 91

Q9J8C8 PRELIMINARY; PRT; 507 AA.  
 AC Q9J8C8  
 DT 01-OCT-2000 (TReMBLrel. 15, Created)  
 DT 01-OCT-2000 (TReMBLrel. 15, Last sequence update)  
 DT 01-OCT-2000 (TReMBLrel. 15, Last annotation update)  
 DE ORF5.  
 OS Spodoptera exigua nucleopolyhedrovirus.  
 OC Viruses; dsDNA viruses, no RNA stage; Baculoviridae;  
 OC Nucleopolyhedrovirus.  
 OX NCBI\_TaxID=10454;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=20036646; PubMed=10567663;  
 RA IJkel W.F., van Strien E.A., Heldens J.G., Broer R., Zuidema D.,  
 RA Goldbach R.W., Vlask J.M.;  
 RT "Sequence and organization of the spodoptera exigua multicapsid  
 RT nucleopolyhedrovirus genome.";  
 RL J. Gen. Virol. 80:3289-3304(1999).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA IJkel W.F.J., van Strien E.A., Heldens J.G.M., Broer R., Zuidema D.,  
 RA Goldbach R.W., Vlask J.M.;  
 RL Submitted (JUL-1999) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF169823; AAF33536.1; -  
 SQ SEQUENCE 507 AA; 58571 MW; B52A239513AB6067 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 507;  
 Best Local Similarity 45.5%; Pred. No. 1e+03; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 447 EEVVPDRPET 457

## RESULT 92

Q8R6X0 PRELIMINARY; PRT; 508 AA.  
 AC Q8R6X0  
 DT 01-JUN-2002 (TReMBLrel. 21, Created)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
 DE Hypothetical protein TTE2663.  
 GN TTE2663.  
 OS Thermoanaerobacter tengcongensis.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Clostridia;  
 OC Thermoanaerobacteriales; Thermoanaerobacteriaceae; Thermoanaerobacter.  
 OX NCBI\_TaxID=119072;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=MBAT / JCM11007;  
 RX MEDLINE=21992816; PubMed=11997336;  
 RA Bao Q., Tian Y., Li W., Xu Z., Xuan Z., Hu S., Dong W., Yang J.,  
 RA Chen Y., Xue Y., Xu Y., Lai X., Huang L., Dong X., Ma Y., Ling L.,  
 RA Tan H., Chen R., Wang J., Yu J., Yang H.;  
 RT "A complete sequence of T. tengcongensis genome.";  
 RL Genome Res. 12:689-700(2002).  
 DR EMBL; AE013206; AAM25782.1; -  
 KW Hypothetical protein; Complete proteome.  
 SQ SEQUENCE 508 AA; 58270 MW; BCBB3664EE79D845 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 508;  
 Best Local Similarity 45.5%; Pred. No. 1e+03; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0;

QY 1 EEVVPXXXXXX 11

Db 272 EEVVPAAPLTL 282  
 |||||:||||:  
 |||||:||||:

## RESULT 93

Q9RY57 PRELIMINARY; PRT; 511 AA.  
 AC Q9RY57  
 DT 01-MAY-2000 (TReMBLrel. 13, Created)  
 DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TReMBLrel. 21, Last annotation update)  
 DE Phytoene dehydrogenase, putative.  
 GN DR0093.  
 OS Deinococcus radiodurans.  
 OC Bacteria; Thermus/Deinococcus group; Deinococci; Deinococcales;  
 OC Deinococcaceae; Deinococcus.  
 OX NCBI\_TaxID=1299;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=R1;  
 RX MEDLINE=20036896; PubMed=10567266;  
 RA White O., Eisen J.A., Heidelberg J.F., Hickey E.K., Peterson J.D.,  
 RA Dodson R.J., Haft D.H., Gwinn M.L., Nelson W.C., Richardson D.L.,  
 RA Mofat K.S., Qin H., Jiang L., Pamphile W., Crosby M., Shen M.,  
 RA Vamathevan J.J., Lam P., McDonald L., Utterback T., Zalewski C.,  
 RA Makarova K.S., Aravind L., Daly M.J., Minton K.W., Fleischmann R.D.,  
 RA Ketchum K.A., Nelson K.E., Salzberg S., Smith H.O., Venter J.C.,  
 RA Fraser C.M.;  
 RT "Genome sequence of the radioresistant bacterium Deinococcus  
 RT radiodurans R1.";  
 RL Science 286:1571-1577(1999).  
 DR EMBL; AE001872; AAF09686.1; -  
 DR TIGR; DR0093; -  
 DR InterPro: IPR002937; Amino\_oxidase.  
 DR Pfam; PF01593; Amino\_oxidase; 1.  
 KW Complete proteome.  
 SQ SEQUENCE 511 AA; 56527 MW; 7DCC3FB1D79EE9CD CRC64;

Query Match 100.0%; Score 31; DB 16; Length 511;  
 Best Local Similarity 45.5%; Pred. No. 1e+03; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 45 EEVVPGVYFDY 55

## RESULT 94

Q96FN5 PRELIMINARY; PRT; 513 AA.  
 AC Q96FN5  
 DT 01-DEC-2001 (TReMBLrel. 19, Created)  
 DT 01-DEC-2001 (TReMBLrel. 19, Last sequence update)  
 DT 01-MAR-2002 (TReMBLrel. 20, Last annotation update)  
 DE Unknown (protein for MGC:17687).  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=EYE;  
 RA Strausberg R.;  
 RL Submitted (JUL-2001) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; BC010826; AAH10626.1; -  
 DR InterPro: IPR002350; Katal.  
 DR InterPro: IPR001752; kinesin\_motor.  
 DR Pfam; PF00225; kinesin; 1.  
 DR PROSITE; PS00282; KAZAL; UNKNOWN.1.  
 DR PROSITE; PS00411; KINESIN\_MOTOR\_DOMAIN1; UNKNOWN.1.  
 DR PROSITE; PS00067; KINESIN\_MOTOR\_DOMAIN2; 1.  
 KW ATP-binding; Coiled coil; Microtubules; Motor protein.  
 SQ SEQUENCE 513 AA; 56627 MW; 696DB753C0966563 CRC64;

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Query Match      100.0%; Score 31; DB 4; Length 513;
Best Local Similarity 45.5%; Pred. No. 1e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      446 EEVVPAPPPLP 456

RESULT 95
Q9PDQ2
ID      Q9PDQ2      PRELIMINARY;      PRT;      544 AA.
AC      Q9PDQ2;
DT      01-OCT-2000 (TremBLrel. 15, Created)
DT      01-OCT-2000 (TremBLrel. 15, Last sequence update)
DT      01-MAR-2002 (TremBLrel. 20, Last annotation update)
DE      Putative ABC substrate-binding protein-iron.
GN      ABCSBP-5 OR U0359.
OS      Ureaplasma parvum (Ureaplasma urealyticum biotype 1).
OC      Bacteria; Firmicutes; Bacillus/Clostridium group; Mollicutes;
OC      Mycoplasmataceae; Ureaplasma.
OX      NCBI_TaxID=134821;
RN      [1]
RP      SEQUENCE FROM N.A.
RC      STRAIN=SEROVAR 3;
RX      MEDLINE=20500219; PubMed=11048724;
RA      Glass J.I., Lefkowitz E.J., Glass J.S., Heiner C.R., Chen E.Y.,
RA      Cassell G.H.;
RT      "The complete sequence of the mucosal pathogen Ureaplasma
RT      urealyticum.";
RL      Nature 407:757-762(2000).
DR      EMBL; AE002133; AAF30768.1; -.
KW      Complete proteome.
SQ      SEQUENCE 544 AA; 61291 MW; CF8756202A389C00 CRC64;

Query Match      100.0%; Score 31; DB 16; Length 544;
Best Local Similarity 45.5%; Pred. No. 1.1e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      135 EEVWPHTLSYL 145

RESULT 96
Q21234
ID      Q21234      PRELIMINARY;      PRT;      558 AA.
AC      Q21234;
DT      01-NOV-1996 (TremBLrel. 01, Created)
DT      01-NOV-1996 (TremBLrel. 01, Last sequence update)
DT      01-DEC-2001 (TremBLrel. 19, Last annotation update)
DE      K04G7.1 protein.
GN      K04G7.1.
OS      Caenorhabditis elegans.
OC      Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditidae;
OC      Rhabditidae; Peloderinae; Caenorhabditis.
OX      NCBI_TaxID=6239;
RN      [1]
RP      SEQUENCE FROM N.A.
RC      STRAIN=BRISTOL N2;
RA      Wilson R., Ainscough R., Anderson K., Baynes C., Berks M.,
RA      Bonfield J., Burton J., Connell M., Copsey T., Cooper J., Coulson A.,
RA      Craxton M., Dear S., Du Z., Durbin R., Favell A., Fulton L.,
RA      Gardner A., Green P., Hawkins T., Hillier L., Jier M., Johnston L.,
RA      Jones M., Kershaw J., Kirsten J., Laister N., Latreille P.,
RA      Lightning J., Lloyd C., McMurray A., Mortimore B., O'Callaghan M.,
RA      Parsons J., Percy C., Rifkin L., Roopra A., Saunders D., Showkneen R.,
RA      Smaldon N., Smith A., Sonhammer E., Staden R., Sulston J.,
RA      Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K., Waterston R.,
RA      Watson A., Weinstock L., Wilkinson-Sproat J., Wohldman P.;
RT      "The C. elegans genome project: Contiguous nucleotide sequence of over
RT      two megabases from chromosome III.";

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RL      Nature 0:0-0(1994).
RN      [2]
RP      SEQUENCE FROM N.A.
RC      STRAIN=BRISTOL N2;
RA      Fulton L.;
RT      "The sequence of C. elegans cosmid K04G7.";
RL      Submitted (MAR-1995) to the EMBL/GenBank/DBJ databases.
RN      [3]
RP      SEQUENCE FROM N.A.
RC      STRAIN=BRISTOL N2;
RA      Waterston R.;
RL      Submitted (FEB-1995) to the EMBL/GenBank/DBJ databases.
DR      EMBL; U21320; AAA62533.1; -.
SQ      SEQUENCE 558 AA; 64851 MW; 806EDCBF220A12B1 CRC64;

Query Match      100.0%; Score 31; DB 5; Length 558;
Best Local Similarity 45.5%; Pred. No. 1.1e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      544 EEVVPQNPRRH 554

RESULT 97
O49588
ID      O49588      PRELIMINARY;      PRT;      596 AA.
AC      O49588;
DT      01-JUN-1998 (TremBLrel. 06, Created)
DT      01-JUN-1998 (TremBLrel. 06, Last sequence update)
DT      01-DEC-2001 (TremBLrel. 19, Last annotation update)
DE      PREDICTED protein.
GN      F8F16.210 OR AT4G31390.
OS      Arabidopsis thaliana (Mouse-ear cress).
OC      Eukaryota; Viridiplantae; Streptophyta; Tracheophyta;
OC      Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC      eurosids II; Brassicales; Brassicaceae; Arabidopsis.
OX      NCBI_TaxID=3702;
RN      [1]
RP      SEQUENCE FROM N.A.
RA      Bevan M., Brandt P., Dose S., Jarke D., Scharfe M., Schon O.,
RA      Hoheisel J., Mewes H.W., Mayer K., Schueller C.;
RL      Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
RN      [2]
RP      SEQUENCE FROM N.A.
RA      Brandt P., Dose S., Jarke D., Scharfe M., Schon O., Mewes H.W.,
RA      Lemcke K., Mayer K.F.X.;
RL      Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
RN      [3]
RP      SEQUENCE FROM N.A.
RA      EU Arabidopsis sequencing project;
RL      Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
DR      EMBL; AL021633; CAAL6542.1; -.
DR      EMBL; AL161578; CAB79857.1; -.
DR      InterPro; IPR004147; ABC1.
DR      InterPro; IPR000719; Euk_pkinase.
DR      Pfam; PF03109; ABC1; 1.
DR      PROSITE; PS50011; PROTEIN_KINASE_DOM; 1.
KW      ATP-binding; Transferase.
SQ      SEQUENCE 596 AA; 66861 MW; BCB3090E07DB8B6E CRC64;

Query Match      100.0%; Score 31; DB 10; Length 596;
Best Local Similarity 45.5%; Pred. No. 1.2e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      146 EEVVPFRARQL 156

RESULT 98
Q9VE96
ID      Q9VE96      PRELIMINARY;      PRT;      600 AA.

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KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 69894 MW; AAA58943849D0873 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

RESULT 105

Q9YME9 PRELIMINARY; PRT; 622 AA.  
AC Q9YME9;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 70.0 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011539; CAA09685.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 70046 MW; CE90B35EFCF1F9A8 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

RESULT 106

Q9YME8 PRELIMINARY; PRT; 622 AA.  
AC Q9YME8;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 70.0 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011540; CAA09686.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 70027 MW; 05915BA68807C1CF CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

RESULT 107

Q9YME7 PRELIMINARY; PRT; 622 AA.  
AC Q9YME7;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 69.7 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011541; CAA09687.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 69732 MW; 2975D808C4D22F3A CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
Db 31 EEVVPXGCMTL 41

RESULT 108

Q9YME6 PRELIMINARY; PRT; 622 AA.  
AC Q9YME6;  
DT 01-MAY-1999 (Tremblrel. 10, Created)  
DT 01-MAY-1999 (Tremblrel. 10, Last sequence update)  
DT 01-DEC-2001 (Tremblrel. 19, Last annotation update)  
DE Hypothetical 70.1 kDa protein.  
OS Cryphonectria parasitica hypovirulence associated virus.  
OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
OX NCBI\_TaxID=83190;  
RN [1]  
RC SEQUENCE FROM N.A.  
RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
RT hypovirulent isolates of Cryphonectria parasitica.";  
RL J. Plant Pathol. 80:265-265(1999).  
DR EMBL; AJ011542; CAA09688.1; -  
DR MEROPS; C07.001; -  
DR InterPro; IPR002704; Peptidase\_C7.  
DR Pfam; PF01830; Peptidase\_C7; 1.  
DR ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein.  
SQ SEQUENCE 622 AA; 70057 MW; 57EC9ABC8A075709 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 31 EEVPTGCMTL 41

## RESULT 109

QYME5 PRELIMINARY; PRT; 622 AA.  
 AC QYME5;  
 DT 01-MAY-1999 (TrEMBLrel. 10, Created)  
 DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
 DE Hypothetical 70.1 kDa protein.  
 OS Cryphonectria parasitica hypovirulence associated virus.  
 OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
 OX NCBI\_TaxID=83190;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=TR3-6;  
 RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
 RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
 RT hypovirulent isolates of Cryphonectria parasitica.";  
 RL J. Plant Pathol. 80:265-265(1999).  
 DR EMBL; AJ011543; CAA09689.1; -;  
 DR MEROPS; C07.001; -;  
 DR InterPro; IPR002704; Peptidase\_C7.  
 DR Pfam; PF01830; Peptidase\_C7; 1.  
 DR ProDom; PD040949; Peptidase\_C7; 1.  
 DR ProDom; PD040949; Peptidase\_C7; 1.  
 KW Hypothetical protein.  
 SQ SEQUENCE 622 AA; 70057 MW; B877E71C65C85292 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 31 EEVPTGCMTL 41

## RESULT 110

QYME4 PRELIMINARY; PRT; 622 AA.  
 AC QYME4;  
 DT 01-MAY-1999 (TrEMBLrel. 10, Created)  
 DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)  
 DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)  
 DE Hypothetical 69.9 kDa protein.  
 OS Cryphonectria parasitica hypovirulence associated virus.  
 OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
 OX NCBI\_TaxID=83190;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=TR3;  
 RA Vannini A., Ponzio V., Mazzaglia A., Gasbarri A.;  
 RT "Nucleotide sequence of ORF-A of Italian Hypovirus purified from  
 RT hypovirulent isolates of Cryphonectria parasitica.";  
 RL J. Plant Pathol. 80:265-265(1999).  
 DR EMBL; AJ011544; CAA09690.1; -;  
 DR MEROPS; C07.001; -;  
 DR InterPro; IPR002704; Peptidase\_C7.  
 DR Pfam; PF01830; Peptidase\_C7; 1.  
 DR ProDom; PD040949; Peptidase\_C7; 1.  
 KW Hypothetical protein.  
 SQ SEQUENCE 622 AA; 69946 MW; 126B1B128025618A CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 31 EEVPTGCMTL 41

Db 31 EEVPTGCMTL 41

## RESULT 111

Q04349 PRELIMINARY; PRT; 622 AA.  
 ID Q04349;  
 AC Q04349;  
 DT 01-NOV-1996 (TrEMBLrel. 01, Created)  
 DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)  
 DT 01-JUN-2001 (TrEMBLrel. 17, Last annotation update)  
 DE Hypothetical 69.7 kDa protein in hypovirulence-associated DS-RNA  
 DE genetic element.  
 OS Cryphonectria hypovirus 1.  
 OC Viruses; dsRNA viruses; Hypoviridae; Hypovirus.  
 OX NCBI\_TaxID=40281;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA MEDLINE=91184117; PubMed=2009854;  
 RX Shapira R., Choi G.H., Nuss D.L.;  
 RT "Virus-like genetic organization and expression strategy for a double-  
 RT stranded RNA genetic element associated with biological control of  
 RT chestnut blight.";  
 RL EMBO J. 10:731-739(1991).  
 DR EMBL; M57938; AAA67457.1; -;  
 DR PIR; S15009; S15009;  
 DR InterPro; IPR002704; Peptidase\_C7.  
 DR Pfam; PF01830; Peptidase\_C7; 1.  
 DR ProDom; PD040949; Peptidase\_C7; 1.  
 DR ProDom; PD040949; Peptidase\_C7; 1.  
 KW Hypothetical protein.  
 SQ SEQUENCE 622 AA; 69687 MW; AFCB274E2197B732 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 622;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~:~:~:  
 Db 31 EEVPTGCMTL 41

## RESULT 112

Q042733 PRELIMINARY; PRT; 637 AA.  
 ID Q042733;  
 AC Q042733;  
 DT 01-JUN-1998 (TrEMBLrel. 06, Created)  
 DT 01-JUN-1998 (TrEMBLrel. 06, Last sequence update)  
 DT 01-JUN-2001 (TrEMBLrel. 17, Last annotation update)  
 DE Glycoprotein A (Fragment).  
 GN GPA.  
 OS Pneumocystis carinii.  
 OC Eukaryota; Fungi; Ascomycota; Pneumocystidomycetes; Pneumocystidaceae;  
 OC Pneumocystis.  
 OX NCBI\_TaxID=4754;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=INFECTED LUNG;  
 RA Guadiz G., Haidaris C.G., Maine G.N., Simpson-Haidaris P.J.;  
 RL Submitted (NOV-1997) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF035226; AAB94621.1; -;  
 DR InterPro; IPR003330; MSG.  
 DR Pfam; PF02349; MSG; 4.  
 DR NON\_TER 1  
 FT 1  
 SQ SEQUENCE 637 AA; 71912 MW; 102764E8D5998BA6 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 637;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:~:~:~:  
 Db 611 EEVPSGGRKW 621

RESULT 113

Q8TJB4  
ID Q8TJB4 PRELIMINARY; PRT; 637 AA.  
AC Q8TJB4  
DT 01-JUN-2002 (TREMBlrel. 21, Created)  
DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)  
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
DE Cleavage and polyadenylation specificity factor.  
GN MA3874.  
OS Methanosarcina acetivorans.  
OC Archaea; Euryarchaeota; Methanococci; Methanosarcinales;  
OC Methanosarcinaceae; Methanosarcina.  
OX NCBI\_TaxID=2214;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=C2A / ATCC 35395 / DSM 2834;  
RX MEDLINE=21929760; PubMed=11932238;  
RA Galagan J.E., Nusbaum C., Roy A., Endrizzi M.G., Macdonald P.,  
RA Fitzgerald W., Calvo S., Engels R., Smirnov S., Atnoor D., Brown A.,  
RA Allen N., Naylor J., Stange-Thomann N., DeArellano K., Johnson R.,  
RA Linton L., McEwan P., McKernan K., Talamas J., Tirrell A., Ye W.,  
RA Zimmer A., Barber R.D., Cann I., Graham D.E., Guss A.M.,  
RA Hedderich R., Ingram-Smith C., Kuettner H.C., Krzycki J.A.,  
RA Leigh J.A., Li W., Liu J., Mukhopadhyay B., Reeve J.N., Smith K.,  
RA Springer T.A., Umayam L.A., White O., White R.H., de Macario E.C.,  
RA Ferry J.G., Jarrell K.F., Jing H., Macario A.J.L., Paulsen I.,  
RA Pritchett M., Sowers K.R., Swanson R.V., Zinder S.H., Lander E.,  
RA Metcalf W.W., Birren B.;  
RT "The genome of Methanosarcina acetivorans reveals extensive metabolic  
RT and physiological diversity."  
RL Genome Res. 12:532-542(2002).  
DR ENBL; AE011098; AAM07225.1; -.  
KW Complete proteome.  
SQ SEQUENCE 637 AA; 71847 MW; 7A8F536DD9B9E5FD CRC64;

Query Match 100.0%; Score 31; DB 17; Length 637;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 82 EEVVPRESVIS 92

RESULT 114

Q9SLC2  
ID Q9SLC2 PRELIMINARY; PRT; 638 AA.  
AC Q9SLC2  
DT 01-MAY-2000 (TREMBlrel. 13, Created)  
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
DT 01-MAR-2002 (TREMBlrel. 20, Last annotation update)  
DE HtpG.  
GN HTPG.  
OS Synecococcus sp. (strain PCC 7942) (Anacystis nidulans R2).  
OC Bacteria; Cyanobacteria; Chroococcales; Synecococcus.  
OX NCBI\_TaxID=1140;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=PCC 7942;  
RX MEDLINE=99412175; PubMed=10481048;  
RA Tanaka N., Nakamoto H.;  
RT "HtpG is essential for the thermal stress management in  
RT cyanobacteria."  
RL FEBS Lett. 458:117-123(1999).  
DR HSP; P02829; IAWW.  
DR InterPro; IPR003594; ATPbind\_ATPase.  
DR InterPro; IPR004359; HIS\_KIN\_sig.  
DR InterPro; IPR001404; Hsp90.  
DR Pfam; PF02518; HATPase\_c; 1.  
DR Pfam; PF00183; HSP90; 2.  
DR PRINTS; SM00775; HEATSHOCK90.  
DR SMART; SM00387; HATPase\_c; 1.

SQ SEQUENCE 638 AA; 72603 MW; 89E74030C85544BC CRC64;

Query Match 100.0%; Score 31; DB 2; Length 638;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 292 EEVVPRELLPM 302

RESULT 115

Q9D228  
ID Q9D228 PRELIMINARY; PRT; 642 AA.  
AC Q9D228  
DT 01-JUN-2001 (TREMBlrel. 17, Created)  
DT 01-JUN-2001 (TREMBlrel. 17, Last sequence update)  
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
DE Kinesin 12.  
GN KIF12.  
OS Mus musculus (Mouse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
OX NCBI\_TaxID=10090;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=C57BL/6J; TISSUE=CECUM;  
RX MEDLINE=21085660; PubMed=11217851;  
RA Kawai J., Shingawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,  
RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,  
RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaoka I.,  
RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,  
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,  
RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,  
RA Kuehl P., Lewis S., Matsuo Y., Nikaide I., Pesole G., Quackenbush J.,  
RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,  
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,  
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,  
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,  
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,  
RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,  
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,  
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,  
RA Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,  
RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohsaki S.,  
RA Hayashizaki Y.;  
RT "Functional annotation of a full-length mouse cDNA collection.";  
RL Nature 409:685-690(2001).  
DR ENBL; AK018598; BAB31300.1; -.  
DR HSSP; P17119; 3KAR.  
DR MGD; MGI:1098232; Kif12.  
DR InterPro; IPR001752; Kinesin\_motor.  
DR Pfam; PF00225; kinesin; 1.  
DR PRINTS; PR00380; KINESINHEAVY.  
DR SMART; SM00129; Kisc; 1.  
DR PROSITE; PS00411; KINESIN\_MOTOR\_DOMAIN1; UNKNOWN\_1.  
DR PROSITE; PS00067; KINESIN\_MOTOR\_DOMAIN2; 1.  
KW ATP-binding; Coiled coil; Microtubules; Motor protein.  
SQ SEQUENCE 642 AA; 70705 MW; 57D3F37B759EE31F CRC64;

Query Match 100.0%; Score 31; DB 11; Length 642;  
Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||:  
DB 575 EEVVPSPAPLS 585

RESULT 116

Q9KVE3  
ID Q9KVE3 PRELIMINARY; PRT; 653 AA.  
AC Q9KVE3;

DT 01-OCT-2000 (TREMBlrel. 15, Created)  
 DT 01-OCT-2000 (TREMBlrel. 15, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE Iron(III) ABC transporter, permease protein.  
 GN VC0203.  
 OS Vibrio cholerae.  
 OC Bacteria; Proteobacteria; gamma subdivision; Vibrionaceae; Vibrio.  
 OX NCBI\_TaxID=566;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=EL TOR N16961 / SEROTYPE O1;  
 RX MEDLINE=20406833; PubMed=10952301;  
 RA Heidelberg J.F., Eisen J.A., Nelson W.C., Clayton R.A., Gwinn M.L.,  
 RA Dodson R.J., Haft D.H., Hickey E.K., Peterson J.D., Umayam L.A.,  
 RA Gill S.R., Nelson K.E., Read T.D., Tettelin H., Richardson D.,  
 RA Ermolaeva M.D., Vamathevan J., Bass S., Qin H., Dragoi I., Sellers P.,  
 RA McDonald L., Uterback T., Fleischmann R.D., Niemann W.C., White O.,  
 RA Salzberg S.L., Smith H.O., Colwell R.R., Mekalanos J.J., Venter J.C.,  
 RA Fraser C.M.;  
 RT "DNA sequence of both chromosomes of the cholera pathogen Vibrio  
 RT cholerae.";  
 RL Nature 406:477-483(2000).  
 DR EMBL; AE004110; AAF93379.1; -;  
 DR TIGR; VC0203; -;  
 DR InterPro: IPR000522; FeCCD.  
 DR Pfam: PF01032; FeCCD; 2.  
 DR ProDom: PD001557; FeCCD; 1.  
 KW Complete proteome.  
 SQ SEQUENCE 653 AA; 69034 MW; 0B129B8E7175CCF9 CRC64;  
 Query Match 100.0%; Score 31; DB 16; Length 653;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 300 EEVVPGGITAA 310  
 RESULT 117  
 Q9VX51 PRELIMINARY; PRT; 655 AA.  
 ID Q9VX51  
 AC Q9VX51;  
 DT 01-MAY-2000 (TREMBlrel. 13, Created)  
 DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
 DE 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE CG5613 protein.  
 GN CG5613.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BERKELEY;  
 RX MEDLINE=20196006; PubMed=107311132;  
 RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,  
 RA Amanatides P.G., Scher S.E., Li P.W., Hoskins R.A., Galle R.F.,  
 RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,  
 RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,  
 RA Brudon R.C., Rogers Y.-H.C., Blazer R.G., Champe M., Pfeiffer B.D.,  
 Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,  
 RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,  
 RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,  
 RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,  
 RA Borkova D., Botchan D., Bouck J., Brokstein P., Brotter P.,  
 RA Burris K.C., Busan D.A., Butler H., Cadieu E., Center A., Chandra I.,  
 RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,  
 RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,  
 RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,  
 RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,  
 RA Fosler C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,

RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,  
 RA Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,  
 RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
 RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
 RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
 RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
 RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,  
 RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,  
 RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
 RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,  
 RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
 RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
 RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
 RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,  
 RA Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,  
 RA Wang Z.-Y., Wassarman D.A., Weinstein G.M., Weissenbach J.,  
 RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
 RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
 RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
 RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;  
 RT "The genome sequence of Drosophila melanogaster.";  
 RL Science 287:2185-2195(2000).  
 DR EMBL; AE003505; AAF48729.1; -;  
 DR FlyBase: FBgn0030839; CG5613.  
 DR InterPro: IPR005201; Glyco\_hydro\_85.  
 DR Pfam: PF03644; Glyco\_hydro\_85; 1.  
 SQ SEQUENCE 655 AA; 75747 MW; 047D95F9F5D0447B CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 655;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 37 EEVVPVKKKRT 47  
 RESULT 118  
 Q8T8V2 PRELIMINARY; PRT; 656 AA.  
 ID Q8T8V2  
 AC Q8T8V2;  
 DT 01-JUN-2002 (TREMBlrel. 21, Created)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
 DE AT23312p.  
 GN CG5613.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J.,  
 RA Champe M., Chavez C., Dorsett V., Dresnek D., Farfan D., Frise E.,  
 RA George R., Gonzalez M., Guarin H., Kronmiller B., Li P., Liao G.,  
 RA Miranda A., Mungall C.J., Nunco K., Pacleb J., Paragas V., Park S.,  
 RA Patel S., Phouanavong S., Wao K., Yu C., Lewis S.E., Rubin G.M.,  
 RA Celniker S.;  
 RL Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AY075262; AAL68129.1; -;  
 SQ SEQUENCE 656 AA; 75941 MW; 8912595C0B3A9169 CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 656;  
 Best Local Similarity 45.5%; Pred. No. 1.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 38 EEVVPVKKKRT 48  
 RESULT 119

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Q973T7
ID Q973T7 PRELIMINARY; PRT; 661 AA.
AC Q973T7
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Hypothetical protein ST0810.
GN ST0810.
OS Sulfolobus tokodaii.
OC Archaea; Crenarchaeota; Thermoprotei; Sulfolobales; Sulfolobaceae;
OC Sulfolobus.
OX NCBI_TaxID=111955;
RN [1]
RC STRAIN=JCM 10545 / 7;
RX PubMed=11572479;
RA Kawarabayashi Y., Hino Y., Horikawa H., Jin-no K., Takahashi M.,
RA Sekine M., Baba S.-I., Ankaï A., Kosugi H., Hosoyama A., Fukui S.,
RA Nagai Y., Nishijima K., Otsuka R., Nakazawa H., Takamiya M., Kato Y.,
RA Yoshizawa T., Tanaka T., Kudoh Y., Yamazaki J., Kishida N., Oguchi A.,
RA Aoki K.-I., Masuda S., Yanagii M., Nishimura M., Yamagishi A.,
RA Oshima T., Kikuchi H.;
RT "Complete genome sequence of an aerobic thermoacidophilic
RT Crenarchaeon, Sulfolobus tokodaii strain 7.";
RL DNA Res. 8:123-140(2001).
DR EMBL; AP000983; BAB5823.1; -.
DR InterPro; IPR000719; Euk_pkinase.
DR InterPro; IPR002290; Ser_thr_pkinase.
DR InterPro; IPR001440; TPR.
DR Pfam; PF00069; pkinase; 1.
DR Pfam; PF00515; TPR; 1.
DR ProDom; PD000001; Euk_pkinase; 1.
DR PROSITE; PS00107; PROTEIN_KINASE_ATP; UNKNOWN_1.
DR PROSITE; PS00111; PROTEIN_KINASE_DOM; 1.
DR PROSITE; PS00108; PROTEIN_KINASE_ST; UNKNOWN_1.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 661 AA; 76696 MW; F18A52DF261332DF CRC64;

Query Match 100.0%; Score 31; DB 17; Length 661;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 521 EEVVPKLSDLG 531
|||||:|||||:

RESULT 120
Q9BWC2
ID Q9BWC2 PRELIMINARY; PRT; 680 AA.
AC Q9BWC2;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Glycerocephosphate O-acyltransferase.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RC TISSUE=LUNG;
RP SEQUENCE FROM N.A.
RA Strausberg R.;
RL Submitted (NOV-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC000450; AAH00450.1; -.
DR InterPro; IPR002123; Acyltransferase.
DR Pfam; PF01553; Acyltransferase; 1.
DR Acyltransferase; Transferase.
SQ SEQUENCE 680 AA; 77161 MW; A6BC9567D5693476 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 680;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 521 EEVVPKLSDLG 531
|||||:|||||:

Q973T7
ID Q973T7 PRELIMINARY; PRT; 661 AA.
AC Q973T7
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Hypothetical protein ST0810.
GN ST0810.
OS Sulfolobus tokodaii.
OC Archaea; Crenarchaeota; Thermoprotei; Sulfolobales; Sulfolobaceae;
OC Sulfolobus.
OX NCBI_TaxID=111955;
RN [1]
RC STRAIN=JCM 10545 / 7;
RX PubMed=11572479;
RA Kawarabayashi Y., Hino Y., Horikawa H., Jin-no K., Takahashi M.,
RA Sekine M., Baba S.-I., Ankaï A., Kosugi H., Hosoyama A., Fukui S.,
RA Nagai Y., Nishijima K., Otsuka R., Nakazawa H., Takamiya M., Kato Y.,
RA Yoshizawa T., Tanaka T., Kudoh Y., Yamazaki J., Kishida N., Oguchi A.,
RA Aoki K.-I., Masuda S., Yanagii M., Nishimura M., Yamagishi A.,
RA Oshima T., Kikuchi H.;
RT "Complete genome sequence of an aerobic thermoacidophilic
RT Crenarchaeon, Sulfolobus tokodaii strain 7.";
RL DNA Res. 8:123-140(2001).
DR EMBL; AP000983; BAB5823.1; -.
DR InterPro; IPR000719; Euk_pkinase.
DR InterPro; IPR002290; Ser_thr_pkinase.
DR InterPro; IPR001440; TPR.
DR Pfam; PF00069; pkinase; 1.
DR Pfam; PF00515; TPR; 1.
DR ProDom; PD000001; Euk_pkinase; 1.
DR PROSITE; PS00107; PROTEIN_KINASE_ATP; UNKNOWN_1.
DR PROSITE; PS00111; PROTEIN_KINASE_DOM; 1.
DR PROSITE; PS00108; PROTEIN_KINASE_ST; UNKNOWN_1.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 661 AA; 76696 MW; F18A52DF261332DF CRC64;

Query Match 100.0%; Score 31; DB 17; Length 661;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 521 EEVVPKLSDLG 531
|||||:|||||:

RESULT 120
Q9BWC2
ID Q9BWC2 PRELIMINARY; PRT; 680 AA.
AC Q9BWC2;
DT 01-JUN-2001 (TrEMBLrel. 17, Created)
DT 01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE Glycerocephosphate O-acyltransferase.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RC TISSUE=LUNG;
RP SEQUENCE FROM N.A.
RA Strausberg R.;
RL Submitted (NOV-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC000450; AAH00450.1; -.
DR InterPro; IPR002123; Acyltransferase.
DR Pfam; PF01553; Acyltransferase; 1.
DR Acyltransferase; Transferase.
SQ SEQUENCE 680 AA; 77161 MW; A6BC9567D5693476 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 680;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 521 EEVVPKLSDLG 531
|||||:|||||:

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QY 1 EEVVPXXXXXX 11
Db 432 EEVVPASILLH 442
|||||:|||||:

RESULT 121
Q8RWG1
ID Q8RWG1 PRELIMINARY; PRT; 682 AA.
AC Q8RWG1;
DT 01-JUN-2002 (TrEMBLrel. 21, Created)
DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Hypothetical 76.8 kDa protein.
GN A74G31390.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eurosids II; Brassicales; Brassicaceae; Arabidopsids.
OX NCBI_TaxID=3702;
RN [1]
RC SEQUENCE FROM N.A.
RA Southwick A., Karlin-Neumann G., Nguyen M., Lam B., Miranda M.,
RA Palm C.J., Bowser L., Jones T., Banh J., Carninci P., Chen H.,
RA Cheuk R., Chung M.K., Hayashizaki Y., Ishida J., Kamiya A., Kawai J.,
RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,
RA Sakurai T., Satou M., Seki M., Shinn P., Yamada K., Shinozaki K.,
RA Ecker J., Theologis A., Davis R.W.;
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY093113; AAMI3112.1; -.
KW Hypothetical protein.
SQ SEQUENCE 682 AA; 76756 MW; E31B0AC7C7812F38 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 682;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 160 EEVVPFRARQL 170
|||||:|||||:

RESULT 122
O15271
ID O15271 PRELIMINARY; PRT; 685 AA.
AC O15271;
DT 01-JAN-1998 (TrEMBLrel. 05, Created)
DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE Synaptopodin.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RC SEQUENCE FROM N.A.
RA MEDLINE=97461576; PubMed=9314539;
RA Mundel P., Heid H.W., Mundel T., Krueger M., Reiser J., Kriz W.;
RT "Synaptopodin, an actin-associated protein of telencephalic dendrites
RT and renal podocytes.";
RL J. Cell Biol. 139:193-204(1997).
DR EMBL; Y11072; CAA71955.1; -.
SQ SEQUENCE 685 AA; 73664 MW; C3D9FE2E6F0D700A CRC64;

Query Match 100.0%; Score 31; DB 4; Length 685;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 446 EEVVPFWASCL 456
|||||:|||||:

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RESULT 123
Q22402 ID Q22402 PRELIMINARY; PRT; 688 AA.
AC Q22402;
DT 01-NOV-1996 (T-EMBLrel. 01, Created)
DT 01-MAY-1999 (T-EMBLrel. 10, Last sequence update)
DT 01-MAY-1999 (T-EMBLrel. 10, Last annotation update)
DE T11f9.12 protein.
GN T11f9.12.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP SEQUENCE FROM N.A.
RA Lennard N.;
RL Submitted (JUN-1996) to the EMBL/GenBank/DBJ databases.
DR EMBL; AL031623; CAA20938.1; -.
DR EMBL; Z74042; CAA20938.1; JOINED.
DR EMBL; Z74042; CAA98537.1; -.
DR EMBL; AL031623; CAA98537.1; JOINED.
SQ SEQUENCE 688 AA; 79362 MW; 12C3C73C414983BF CRC64;

Query Match 100.0%; Score 31; DB 5; Length 688;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 384 EEVVPVWPEK 394

RESULT 124
Q91YS3 ID Q91YS3 PRELIMINARY; PRT; 708 AA.
AC Q91YS3;
DT 01-DEC-2001 (T-EMBLrel. 19, Created)
DT 01-DEC-2001 (T-EMBLrel. 19, Last sequence update)
DT 01-DEC-2001 (T-EMBLrel. 19, Last annotation update)
DE Similar to phosphoinositol 3-phosphate-binding protein-2.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RA Strausberg R.;
RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC014853; AAH14853.1; -.
SQ SEQUENCE 708 AA; 80006 MW; 0EECE0E28A3897D7 CRC64;

Query Match 100.0%; Score 31; DB 11; Length 708;
Best Local Similarity 45.5%; Pred. No. 1.5e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 359 EEVVPVPPPLP 369

RESULT 125
P70521 ID P70521 PRELIMINARY; PRT; 716 AA.
AC P70521;
DT 01-FEB-1997 (T-EMBLrel. 02, Created)
DT 01-FEB-1997 (T-EMBLrel. 02, Last sequence update)
DT 01-MAR-2002 (T-EMBLrel. 20, Last annotation update)
DE Macrophage stimulating protein precursor.
GN MSP.
OS Rattus norvegicus (Rat).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10116;
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RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=97011126; PubMed=8858136;
RA Ohshiro K., Iwama A., Matsuno K., Ezaki T., Sakamoto O., Hamaguchi I.,
RA Takasu N., Suda T.;
RT "Molecular cloning of Rat Macrophage-stimulating protein and its
RT involvement in the Male Reproductive System.";
RL Biochem. Biophys. Res. Commun. 227:273-280(1996).
CC -!- SIMILARITY: BELONGS TO PEPTIDASE FAMILY S1; ALSO KNOWN AS THE
CC TRYPSIN FAMILY.
DR EMBL; X95096; CAA64473.1; -.
DR HSP; P00747; IKRN.
DR MEROPS; S01.975; -.
DR InterPro; IPR001314; Chymotrypsin.
DR InterPro; IPR000001; Kringle.
DR InterPro; IPR003014; PAN.
DR InterPro; IPR003609; Pan_app.
DR InterPro; IPR001254; Ser_protease_Try.
DR Pfam; PF00051; kringle; 4.
DR Pfam; PF00024; PAN; 1.
DR Pfam; PF00089; trypsin; 1.
DR PRINTS; PR00722; CHYMOTRYPSIN.
DR PRINTS; PR00018; KRINGLE.
DR ProDom; PD000395; Kringle; 4.
DR SMART; SM00130; KR; 4.
DR SMART; SM00473; PAN_AP; 1.
DR SMART; SM00020; TRYD_SPC; 1.
DR PROSITE; PS00021; KRINGLE_1; 4.
DR PROSITE; PS00770; KRINGLE_2; 4.
DR PROSITE; PS00240; TRYPSIN_DOM; 1.
KW Hydrolase; Serine protease; Signal.
FT SIGNAL 1 31 POTENTIAL.
SQ SEQUENCE 716 AA; 80733 MW; 06B7DF3EF56D921F CRC64;

Query Match 100.0%; Score 31; DB 11; Length 716;
Best Local Similarity 45.5%; Pred. No. 1.5e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 372 EEVVPVGVHG 382

RESULT 126
Q8TBJ7 ID Q8TBJ7 PRELIMINARY; PRT; 748 AA.
AC Q8TBJ7;
DT 01-JUN-2002 (T-EMBLrel. 21, Created)
DT 01-JUN-2002 (T-EMBLrel. 21, Last sequence update)
DT 01-JUN-2002 (T-EMBLrel. 21, Last annotation update)
DE Hypothetical 82.7 kDa protein.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Primates; Catarrhini; Homnidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=BRIN;
RA Strausberg R.;
RL Submitted (FEB-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; BC022460; AAH22460.1; -.
KW Hypothetical protein.
SQ SEQUENCE 748 AA; 82666 MW; E9D1B1B40958A59C CRC64;

Query Match 100.0%; Score 31; DB 4; Length 748;
Best Local Similarity 45.5%; Pred. No. 1.5e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 127 EEVVPVGMDFG 137
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RESULT 127
Q8WU24
ID Q8WU24 PRELIMINARY; PRT; 758 AA.
AC Q8WU24; 2002 (Tremblrel. 20, Created)
DT 01-MAR-2002 (Tremblrel. 20, Last sequence update)
DT 01-MAR-2002 (Tremblrel. 20, Last annotation update)
DE Similar to hypothetical protein FLJ14743.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=2019606; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galie R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazer R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Arkil J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferriera S., Fleischmann W.,
RA Foslter C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D.A., Helman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleß J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Swirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhou W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster."
RL Science 287:2185-2195(2000).
DR EMBL: AE003508; AAF48842.1; -
DR FlyBase: FBgn0030924; CG12610.
DR SEQUENCE 755 AA; 83093 MW; 6C1FEB44E4D94649 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 755;
Best Local Similarity 45.5%; Pred. No. 1.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 494 EEVVPFPCPEI 504

RESULT 128
Q93M42
ID Q93M42 PRELIMINARY; PRT; 759 AA.
AC Q93M42; 2001 (Tremblrel. 19, Created)
DT 01-DEC-2001 (Tremblrel. 19, Last sequence update)
DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)
DE x-prolyl dipeptidyl-peptidase.
OS Streptococcus gordonii
OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacilliales;
OC Streptococcaceae; Streptococcus.
OX NCBI_TaxID=1302;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=21391809; PubMed=11500422;
RA Goldstein J.M., Banbula A., Kordula T., Mayo J.A., Travis J.;
RT "Novel Extracellular x-Prolyl Dipeptidyl-peptidase (DPP) from
RT Streptococcus gordonii FSS2: an Emerging Subfamily of Viridans
RT Streptococcal x-Prolyl DPPs."
RL Infect. Immun. 69:5494-5501(2001).
DR EMBL: AY032733; AAK39633.1; -
DR MEROPS: S15.001; -
DR InterPro: IPR001064; Crystallin.
DR DR InterPro: IPR000383; Peptidase_S15.
DR Pfam: PF02129; Peptidase_S15; 1.
DR PROSITE: PS00225; CRYSTALLIN_BETAGAMMA; UNKNOWN_1.
SQ SEQUENCE 759 AA; 87114 MW; 74C9CF96483FAB44 CRC64;

Query Match 100.0%; Score 31; DB 2; Length 759;
Best Local Similarity 45.5%; Pred. No. 1.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 695 EEVVPNOMMEL 705

RESULT 129
Q9VWU5
ID Q9VWU5 PRELIMINARY; PRT; 765 AA.
AC Q9VWU5; 2000 (Tremblrel. 13, Created)
DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DE CG13654 protein.
CN CG13654.

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DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DT 01-MAR-2002 (Tremblrel. 20, Last annotation update)
DE CG15050 protein.
GN CG12610 OR CG15049 OR CG15050.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galie R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazer R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Arkil J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferriera S., Fleischmann W.,
RA Foslter C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D.A., Helman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleß J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Swirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhou W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster."
RL Science 287:2185-2195(2000).
DR EMBL: AE003508; AAF48842.1; -
DR FlyBase: FBgn0030924; CG12610.
DR SEQUENCE 765 AA; 83093 MW; 6C1FEB44E4D94649 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 765;
Best Local Similarity 45.5%; Pred. No. 1.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
|||||:
Db 593 EEVVPDPFYS 603

RESULT 130
Q9VBW1
ID Q9VBW1 PRELIMINARY; PRT; 794 AA.
AC Q9VBW1; 2000 (Tremblrel. 13, Created)
DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DT 01-MAR-2002 (Tremblrel. 20, Last annotation update)
DE CG13654 protein.
CN CG13654.

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OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
 OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BERKLEY;  
 RX MEDLINE=20196006; PubMed=10731132;  
 RA Adams M.D., Celisner S.E., Holt R.A., Evans C.A., Gocayne J.D.,  
 RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,  
 RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,  
 RA Sutton R.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,  
 RA Brandon R.C., Rogers J.H., Blazer R.G., Champe M., Pfeiffer B.D.,  
 RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,  
 RA Abell J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,  
 RA Ballaw R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,  
 RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,  
 RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,  
 RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,  
 RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,  
 RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,  
 RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,  
 RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,  
 RA Folsler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,  
 RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,  
 RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,  
 RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
 RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
 RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
 RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
 RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,  
 RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,  
 RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
 RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacle J.M.,  
 RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
 RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
 RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
 RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,  
 RA Svirskas R., Tector R., Turner R., Venter E., Wang A.H., Wang X.,  
 RA Wang Z.-Y., Wassarman D.A., Weinstein G.M., Weissbach J.,  
 RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
 RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
 RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
 RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;  
 RT "The genome sequence of Drosophila melanogaster."  
 RL Science 287:2185-2195(2000).  
 DR EMBL; AF003751; AAF56416.1; -;  
 DR FlyBase; FBgn0039290; CG13654.  
 DR InterPro; IPR001092; HLH\_basic.  
 DR PROSITE; PS00038; HELIX\_LOOP\_HELIX; UNKNOWN\_1.  
 SQ SEQUENCE 794 AA; 89171 MW; CD03f299B9B2E0BE CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 794;  
 Best Local Similarity 45.5%; Pred. No. 1.6e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 OY 1 EEVVPXXXXXX 11  
 DB 531 EEVVPVAVSATS 541  
 RESULT 131  
 ID Q9XZT9 PRELIMINARY; PRT; 796 AA.  
 AC Q9XZT9;  
 DT 01-NOV-1999 (TrEMBLrel. 12, Created)  
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Titin (Fragment).  
 GN SLS OR TITIN OR CG1915.  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;

OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
 OC Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Zhang Y.Q., Featherstone D., Davis W., Rushton E., Broadie K.S.;  
 RT "Titin is required for myoblast fusion and sarcomere organization."  
 RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.  
 CC -!- SIMILARITY: CONTAINS 1 SH3 DOMAIN.  
 DR EMBL; AJ238577; CAB43739.2; -;  
 DR HSSP; P56276; 1TLK.  
 DR FlyBase; FBgn0003432; sIs.  
 DR InterPro; IPR003598; Ig\_C2.  
 DR InterPro; IPR003006; Ig\_MHC.  
 DR InterPro; IPR001452; SH3.  
 DR Pfam; PF00047; ig; 1.  
 DR Pfam; PF00018; SH3; 1.  
 DR SMART; SM00408; Igc2; 1.  
 DR SMART; SM00326; SH3; 1.  
 DR PROSITE; PS50002; SH3; 1.  
 KW Immunoglobulin domain; SH3 domain.  
 FT NON\_TER 1  
 FT NON\_TER 796  
 SQ SEQUENCE 796 AA; 91476 MW; 47C1CF2B5504F5F8 CRC64;  
 Query Match 100.0%; Score 31; DB 5; Length 796;  
 Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 OY 1 EEVVPXXXXXX 11  
 DB 109 EEVVPPEIVEE 119  
 RESULT 132  
 ID Q8SD65 PRELIMINARY; PRT; 816 AA.  
 AC Q8SD65;  
 DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
 DE PHKZ097.  
 OS Pseudomonas phage phiKZ.  
 OC Viruses; dsDNA viruses, no RNA stage; Caudovirales; Myoviridae.  
 OX NCBI\_TaxID=169683;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21914557; PubMed=11916376;  
 RA Mesyanzhinov V.V., Robben J., Grymonprez B., Kostyuchenko V.A.,  
 RA Bourkaitseva M.V., Sykilinda N.N., Krylov V.N., Volckaert G.;  
 RT "The genome of bacteriophage phiKZ of Pseudomonas aeruginosa."  
 RL J. Mol. Biol. 317:1-19(2002).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Mesyanzhinov V.V., Robben J., Grymonprez B., Kostyuchenko V.A.,  
 RA Bourkaitseva M.V., Sykilinda N.N., Krylov V.N., Volckaert G.;  
 RL Submitted (JUL-2001) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF399011; AAL82998.1; -;  
 SQ SEQUENCE 816 AA; 87816 MW; 0208BDFAD0861DF3 CRC64;  
 Query Match 100.0%; Score 31; DB 9; Length 816;  
 Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 OY 1 EEVVPXXXXXX 11  
 DB 83 EEVVPPEIVEE 93  
 RESULT 133  
 ID Q9USH9 PRELIMINARY; PRT; 822 AA.  
 AC Q9USH9;



DT 01-MAY-2000 (TREMBlrel. 13, Created)  
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
DE Putative ABC transporter.  
GN SPC825.01.  
OS Schizosaccharomyces pombe (Fission yeast).  
OC Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;  
OC Schizosaccharomycetales; Schizosaccharomycetaceae;  
OC Schizosaccharomycetes.  
OX NCBI\_TaxID=4896;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=972H-;  
RA Aert R., Volckaert G., McDougall R.C., Rajandream M.A., Barrell B.G.;  
RL Submitted (OCT-1999) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AL122011; CAB58409.1; -;  
DR InterPro; IPR003593; AAA\_ATPase.  
DR InterPro; IPR003439; ABC\_Transporttr.  
DR Pfam; PF00005; ABC\_tran; 2.  
DR ProDom; PD000006; ABC\_transportr; 2.  
DR SMART; SM00382; AAA; 2.  
DR PROSITE; PS00211; ABC\_TRANSPORTER; UNKNOWN\_1.  
KW ATP-binding.  
SQ SEQUENCE 822 AA; 92690 MW; 74AD82CE8BC3D37C CRC64;  
Query Match 100.0%; Score 31; DB 3; Length 822;  
Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
Db 68 EEVVPVKKKPS 78

RESULT 134  
P87243 ID P87243 PRELIMINARY; PRT; 828 AA.  
AC P87243;  
DT 01-JUN-1998 (TREMBlrel. 06, Created)  
DT 01-JUN-1998 (TREMBlrel. 06, Last sequence update)  
DE Hypothetical 92.0 kDa protein C4G3.18 in chromosome III.  
GN SPC4G3.18.  
OS Schizosaccharomyces pombe (Fission yeast).  
OC Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;  
OC Schizosaccharomycetales; Schizosaccharomycetaceae;  
OX NCBI\_TaxID=4896;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=972;  
RA Hilbert H., Duesterhoeft A., Wood V., Rajandream M.A., Barrell B.G.;  
RL Submitted (JUN-1997) to the EMBL/GenBank/DBJ databases.  
CC -1- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN (POTENTIAL).  
KW Hypothetical protein; Transmembrane.  
DR TRANSMEM 234 254 POTENTIAL.  
FT TRANSMEM 289 309 POTENTIAL.  
FT TRANSMEM 349 369 POTENTIAL.  
FT TRANSMEM 474 494 POTENTIAL.  
FT TRANSMEM 524 544 POTENTIAL.  
SQ SEQUENCE 828 AA; 91995 MW; 0A40304CFDEBC41 CRC64;  
Query Match 100.0%; Score 31; DB 3; Length 828;  
Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
Db 200 EEVVPSSLOKK 210

RESULT 135

Q9ULQ0 ID Q9ULQ0 PRELIMINARY; PRT; 838 AA.  
AC Q9ULQ0;  
DT 01-MAY-2000 (TREMBlrel. 13, Created)  
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)  
DT 01-MAY-2000 (TREMBlrel. 13, Last annotation update)  
DE KIAA1170 protein (fragment).  
GN KIAA1170.  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Euthera; Primates; Catarrhini; Hominidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE=BRIN;  
RX MEDLINE=20039618; PubMed=10574461;  
RA Hirose M., Nagase T., Ishikawa K., Kikuno R., Nomura N., Ohara O.;  
RT "Characterization of cDNA clones selected by the Genemark analysis  
from size-fractionated cDNA libraries from human brain.";  
RL DNA Res. 6:329-336(1999).  
DR EMBL; AB032996; BAA86484.1; -;  
FT NON\_TER 1 1  
SQ SEQUENCE 838 AA; 95747 MW; 3D2EFC02A962CC08 CRC64;  
Query Match 100.0%; Score 31; DB 4; Length 838;  
Best Local Similarity 45.5%; Pred. No. 1.7e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
Db 498 EEVVPETPCBI 508

RESULT 136  
Q42497 ID Q42497 PRELIMINARY; PRT; 877 AA.  
AC Q42497;  
DT 01-NOV-1996 (TREMBlrel. 01, Created)  
DT 01-NOV-1996 (TREMBlrel. 01, Last sequence update)  
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)  
DE Nitrate reductase.  
GN NIAL.  
OS Chlorella vulgaris.  
OC Eukaryota; Viridiplantae; Chlorophyta; Trebouxiophyceae; Chlorellales;  
OC Chlorellaceae; Chlorella.  
OX NCBI\_TaxID=3077;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=96257211; PubMed=8666264;  
RA Dawson H.N., Pendleton L.C., Solomonson L.P., Cannons A.C.;  
RT "Cloning and characterization of the nitrate reductase-encoding gene  
from Chlorella vulgaris: structure and identification of transcription  
start points and initiator sequences.";  
RL Gene 171:139-145(1996).  
DR EMBL; U39931; AAC49460.1; -;  
DR EMBL; U39930; AAC49459.1; -;  
DR HSSP; P17571; 2CND.  
DR InterPro; IPR001199; Cyt\_B5.  
DR InterPro; IPR001834; Cyt\_B5\_reductase.  
DR InterPro; IPR000572; Euk\_Mb\_oxred.  
DR InterPro; IPR005066; Mo-co\_dimer.  
DR InterPro; IPR001433; Oxred\_FAD/NAD(P).  
DR Pfam; PF00970; FAD\_binding\_6; 1.  
DR Pfam; PF00173; heme\_1; 1.  
DR Pfam; PF03404; Mo-co\_dimer; 1.  
DR Pfam; PF00175; NAD\_binding; 1.  
DR Pfam; PF00174; oxigored\_molyb; 1.  
DR PRINTS; PR00406; CYTB5RDTASE.  
DR PRINTS; PR00363; CYTOCHROME B5.  
DR PRINTS; PR00407; EUMOPTERIN.  
DR ProDom; PD000612; Cyt\_B5; 1.  
DR PROSITE; PS00191; CYTOCHROME\_B5\_1; 1.  
DR PROSITE; PS00255; CYTOCHROME\_B5\_2; 1.

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KW Heme.
SQ SEQUENCE 877 AA; 96010 MW; 09248CLB3337371C CRC64;

Query Match 100.0%; Score 31; DB 10; Length 877;
Best Local Similarity 45.5%; Pred. No. 1.8e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXXX 11
|||||:
Db 343 EEVVPVLAAGTY 353

RESULT 137
Q8YGV0
ID Q8YGV0 PRELIMINARY; PRT; 891 AA.
AC Q8YGV0;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Ribonuclease E / zinc metalloprotease (EC 3.1.4.-).
GN BMEI1057.
OS Brucella melitensis.
OC Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;
OC Brucellaceae; Brucella.
OX NCBI_TaxID=29459;
[1]
RN
RP SEQUENCE FROM N.A.
RC STRAIN=16M / ATCC 23456 / BIOTYPE 1;
RX MEDLINE=20020109; PubMed=11756688;
RA DelVecchio V.G., Kapral V., Redkar R.J., Patra G., Mujar C., Los T.,
RA Ivanova N., Anderson I., Bhattacharyya A., Lykidis A., Reznik G.,
RA Jablonski L., Larsen N., D'Souza M., Bernal A., Mazur M., Goltsman E.,
RA Selkov E., Elzer P.H., Hagius S., O'Callaghan D., Letesson J.-J.,
RA Haselkorn R., Kyrpides N., Overbeek R.;
RT "The genome sequence of the facultative intracellular pathogen
RT Brucella melitensis.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:443-448(2002).
DR EMBL: AE009545; AAL52238.1;-.
DR InterPro: IPR004659; RNaseEG.
DR Pfam: PF00575; SI; 1.
DR TIGRFAMs: TIGR00757; RNaseEG; 1.
KW Hydrolyase; Complete proteome.
SQ SEQUENCE 891 AA; 100323 MW; B76EDDFC870C0CC CRC64;

Query Match 100.0%; Score 31; DB 16; Length 891;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXXX 11
|||||:
Db 818 EEVVPKPKRR 828

RESULT 138
Q9UPX1
ID Q9UPX1 PRELIMINARY; PRT; 903 AA.
AC Q9UPX1;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
DE KIAA1029 protein.
GN KIAA1029.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
[1]
RN
RP SEQUENCE FROM N.A.
RC
RX TISSUE=BRAIN;
RA Kikuno R., Nagase T., Ishikawa K., Hirose M., Miyajima N.,
RA Tanaka A., Kotani H., Nomura N., Ohara O.;

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RT "Prediction of the coding sequences of unidentified human genes. XIV.
RT The complete sequences of 100 new cDNA clones from brain which code
RT for large proteins in vitro.";
RL DNA Res. 6:197-205(1999).
DR EMBL: AB028952; BAA82981.1; -.
DR InterPro: IPR002965; P_Rich_extensn.
DR PRINTS: PR01217; PRICHEXTENS.
SQ SEQUENCE 903 AA; 96396 MW; 5F0COA39635750B4 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 903;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXXX 11
|||||:
Db 446 EEVVPWASCL 456

RESULT 139
Q9VZR6
ID Q9VZR6 PRELIMINARY; PRT; 905 AA.
AC Q9VZR6;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE CG12009 protein.
GN CG12009.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
[1]
RN
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abail J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borokova D., Botchan M.R., Bouck J., Brokstein P., Brotlier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Folsler C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,
RA Hsiao D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jastli M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattel B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Paclet J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Svirskaas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster.";

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RL Science 287:2185-2195(2000).
DR EMBL: AE003477; AAP47752.1;
DR FlyBase; FBgn0035430; CG12009.
DR InterPro; IPR002557; Chitin_bind_PerA.
DR Pfam; PF01607; CBM_14; 1.
DR SMART; SM00494; ChfBD2; 1.
SQ SEQUENCE 905 AA; 100667 MW; 37B9642C7DF49DF7 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 905;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 367 EEVVPSEKVEID 377

RESULT 140
ID Q9M497 PRELIMINARY; PRT; 922 AA.
AC Q9M497;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Putative polynucleotide phosphorylase (Fragment).
GN PNP.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;
OC eumids II; Brassicales; Brassicaceae; Arabidopsids.
OX NCBI_TaxID=3702;
RN [1]
RP SEQUENCE FROM N.A.
RA Mudd E.A., Sullivan J.S., Day A.;
RT "Characterisation of a cDNA encoding polynucleotidephosphorylase from
RT Arabidopsis thaliana.";
RL Submitted (DEC-1999) to the EMBL/GenBank/DBJ databases.
DR EMBL; AJ252123; CAB85703.1; -.
DR HSSP; P05055; 1SRO.
DR InterPro; IPR001247; 3_EXONase.
DR InterPro; IPR004087; KH_dom.
DR InterPro; IPR004088; KH_type_1.
DR InterPro; IPR003029; S1.
DR Pfam; PF00013; KH-domain; 1.
DR Pfam; PF03726; PNPase; 1.
DR Pfam; PF01138; RNase_PH; 2.
DR Pfam; PF03725; RNase_PH_C; 2.
DR Pfam; PF00575; S1; 1.
DR Pfam; SM00322; KH; 1.
DR SMART; SM00316; S1; 1.
DR SMART; SM00316; S1; 1.
DR PROSITE; PS50084; KH_TYPE_1; 1.
FT NON_TER 1
FT NON_TER 922
SQ SEQUENCE 922 AA; 99577 MW; 10B1CF6F60BFD8AB2 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 922;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 393 EEVVPGEVDQ 403

RESULT 141
ID Q92446 PRELIMINARY; PRT; 927 AA.
AC Q92446;
DT 01-FEB-1997 (TrEMBLrel. 02, Created)
DT 01-FEB-1997 (TrEMBLrel. 02, Last sequence update)
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
DE P-type proton motive membrane ATPase.
GN PCA1.

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OS Pneumocystis carinii.
OC Eukaryota; Fungi; Ascomycota; Pneumocystidomycetes; Pneumocystidaceae;
OC Pneumocystis.
OX NCBI_TaxID=4754;
RN [1]
RP SEQUENCE FROM N.A.
RA Meade J.C., Stringer J.R.;
RX MEDLINE=92292055;
RT "PCR amplification of DNA sequences from the transcription factor IID
RT and cation transporting ATPase genes in Pneumocystis carinii.";
RL J. Protozool. 38:66S-68S(1991).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=96118556; PubMed=7496388;
RA Meade J.C., Stringer J.R.;
RT "Cloning and characterization of an ATPase gene from Pneumocystis
RT carinii which closely resembles fungal H+ ATPases.";
RL J. Eukaryot. Microbiol. 42:298-307(1995).
RN [3]
RP SEQUENCE FROM N.A.
RA Meade J.C., Stringer J.R.;
RL Submitted (JUL-1996) to the EMBL/GenBank/DBJ databases.
DR EMBL; U65004; AAB06958.1; -.
DR InterPro; IPR001757; ATPase_E1-E2.
DR InterPro; IPR004014; Cation_ATPase.
DR InterPro; IPR001454; Hlgase/hydrilase.
DR InterPro; IPR000695; H_ATPase.
DR Pfam; PF00690; Cation_ATPase_N; 1.
DR Pfam; PF00122; E1-E2_ATPase; 1.
DR Pfam; PF00702; Hydrolase; 1.
DR PRINTS; PR00119; CATATPASE.
DR PRINTS; PR00120; HATPASE.
DR PROSITE; PS00154; ATPASE_E1_E2; UNKNOWN.1.
SQ SEQUENCE 927 AA; 101517 MW; 372B0466540B278A CRC64;

Query Match 100.0%; Score 31; DB 3; Length 927;
Best Local Similarity 45.5%; Pred. No. 1.9e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 195 EEVVPGLDILQ 205

RESULT 142
ID Q9VZP5 PRELIMINARY; PRT; 932 AA.
AC Q9VZP5;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE CGL0840 protein.
GN C1F2 OR CGL0840.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazek R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D.,
RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,

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RA Cherty J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,  
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,  
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,  
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,  
RA Foslter C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,  
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,  
RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,  
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
RA Jammal B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,  
RA Merkulov G., Milshina N.V., Mobarri C., Morris J., Moshrefi A.,  
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,  
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
RA Spier E., Spradling A.C., Stapleton M., Skupski M.P., Smith T.,  
RA Swirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,  
RA Wang Z.-Y., Wasserman D.A., Weinstein G.M., Weissbach J.,  
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.,  
RT "The genome sequence of Drosophila melanogaster";  
RL Science 287:2185-2195(2000).  
DR EMBL: AE003478; AAF47774.1;  
DR FlyBase: FBgn0026259; c1F.  
DR InterPro: IPR004161; EFTU\_D2.  
DR InterPro: IPR000795; EF-GTPbind.  
DR InterPro: IPR005225; Small\_GTP.  
DR Pfam: PF00009; GTP\_EFTU; 1.  
DR Pfam: PF03144; GTP\_EFTU\_D2; 1.  
DR PRINTS: PR00315; ELONGATNPCT.  
DR TIGRFAMs: TIGR00231; small\_GTP; 1.  
KW GTP-binding; Protein biosynthesis.  
SQ SEQUENCE 932 AA; 102828 MW; 3899C68FF38ED23F CRC64;

Query Match 100.0%; Score 31; DB 5; Length 932;  
Best Local Similarity 45.5%; Pred. No. 1.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 79 EEVVPKGRAS 89  
|||||:|||||

RESULT 143  
Q9VEK9 PRELIMINARY; PRT; 941 AA.  
AC Q9VEK9  
DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last annotation update)  
DE SU(HW) protein.  
GN SU(HW) OR SU OR CG8573.  
OS Drosophila melanogaster (Fruit fly).  
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
OC Ephydroidea; Drosophilidae; Drosophila.  
OX NCBI\_TaxID=7227;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=BERKELEY;  
RX MEDLINE=20196006; PubMed=10731132;  
RA Adams M.D., Celisner S.E., Holt R.A., Evans C.A., Gocayne J.D.,  
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galle R.F.,  
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,  
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,  
RA Brandon R.C., Rogers J.-H.C., Blazej R.G., Champe M., Pfeiffer B.D.,  
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,  
RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkuch C., Baldwin D.,

RA Ballew R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,  
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,  
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brotter P.,  
RA Burtis J.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,  
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,  
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,  
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,  
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,  
RA Foslter C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,  
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,  
RA Harris N.L., Harvey D., Heiman T.J., Hernandez J.R., Houck J.,  
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
RA Jammal B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,  
RA Merkulov G., Milshina N.V., Mobarri C., Morris J., Moshrefi A.,  
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,  
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
RA Spier E., Spradling A.C., Stapleton M., Skupski M.P., Smith T.,  
RA Swirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,  
RA Wang Z.-Y., Wasserman D.A., Weinstein G.M., Weissbach J.,  
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.,  
RT "The genome sequence of Drosophila melanogaster";  
RL Science 287:2185-2195(2000).  
DR EMBL: AE003704; AAF55043.1;  
DR HSP: P07248; ZADR.  
DR FlyBase: FBgn0003567; su(Hw).  
DR InterPro: IPR000822; znf\_C2H2.  
DR Pfam: PF00096; zf-C2H2; 12.  
DR SMART: SM00355; znf\_C2H2; 11.  
DR PROSITE: PS00028; ZINC\_FINGER\_C2H2\_1; 10.  
DR PROSITE: PS0157; ZINC\_FINGER\_C2H2\_2; 10.  
KW DNA-binding; Metal-binding; Zinc-finger.  
SQ SEQUENCE 941 AA; 105779 MW; 60C6243AD088F961 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 941;  
Best Local Similarity 45.5%; Pred. No. 2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 168 EEVVPGRINN 178  
|||||:|||||

RESULT 144  
Q9S749 PRELIMINARY; PRT; 948 AA.  
AC Q9S749  
DT 01-MAY-2000 (TrEMBLrel. 13, Created)  
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE Putative polynucleotide phosphorylase.  
GN T12J13.1 OR F20H23.26.  
OS Arabidopsis thaliana (Mouse-ear cress).  
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
OC Eucosids II; Brassicales; Brassicaceae; Arabidopsids.  
OX NCBI\_TaxID=3702;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=CV. COLUMBIA;  
RA Lin X., Kaul S., Town C.D., Benito M., Creasy T.H., Haas B.,  
RA Ronning C.M., Koo H., Fujii C.Y., Otterback T.R., Barnstead M.E.,  
RA Bowman C.L., White O., Nierman W.C., Fraser C.M.;  
RT "Arabidopsis thaliana chromosome III BAC T12J13 genomic sequence";  
RL Submitted (OCT-1999) to the EMBL/GenBank/DBJ databases.



Db 574 EGVPLNTCNE 584

## RESULT 147

O13397  
ID O13397 PRELIMINARY; PRT; 1055 AA.  
AC O13397;  
DT 01-JAN-1998 (TREMBLrel. 05, Created)  
DT 01-JAN-1998 (TREMBLrel. 05, Last sequence update)  
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE P-type ATPase 1.  
GN ENAL.  
OS Debaryomyces occidentalis (Yeast) (Schwanniomyces occidentalis).  
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
OC Saccharomycetales; Saccharomycetaceae; Debaryomyces.  
OX NCBI\_TaxID=27300;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=98104151; PubMed=9430707;  
RA Banuelos M.A., Rodriguez-Navarro A.;  
RT "P-type ATPases mediate sodium and potassium effluxes in  
Schwanniomyces occidentalis.";  
RL J. Biol. Chem. 273:1640-1646(1998).  
DR EMBL; AF030860; AAB86426.1; -  
DR HSP; P04191; 1EUL.  
DR InterPro; IPR001757; ATPase\_E1-E2.  
DR InterPro; IPR004014; Cation\_ATPase.  
DR InterPro; IPR000661; H/K\_Na/K\_ATPase.  
DR InterPro; IPR001454; Hlgnaase/hydrilase.  
DR Pfam; PF00689; Cation\_ATPase\_C; 1.  
DR Pfam; PF00690; Cation\_ATPase\_N; 1.  
DR Pfam; PF00122; El-E2\_ATPase; 1.  
DR Pfam; PF00702; Hydrolase; 1.  
DR PRINTS; PR00119; CATATPASE.  
DR PROSITE; PS00154; ATPASE\_E1\_E2; UNKNOWN.1.  
SQ SEQUENCE 1055 AA; 116651 MW; 0E9287887AFFB440 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 1055;  
Best Local Similarity 45.5%; Pred. No. 2.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EGVVXXXXXXXX 11  
|||||:|||||  
Db 153 EGVVPGDIHI 163

## RESULT 148

O91IE9  
ID O91IE9 PRELIMINARY; PRT; 1075 AA.  
AC O91IE9;  
DT 01-DEC-2001 (TREMBLrel. 19, Created)  
DT 01-DEC-2001 (TREMBLrel. 19, Last sequence update)  
DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)  
DE Hypothetical 122.5 kDa protein.  
OS Lymantria dispar cypovirus 14.  
OC Viruses; dsRNA viruses; Reoviridae; Cypovirus.  
OX NCBI\_TaxID=165429;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Rao S., Shapiro M., Lynn D., Hagiwara K., Dean R., Carner G.R.;  
RT "Identification of electrophoretotypes of two cypoviruses from a dual  
infection in gypsy moth, Lymantria dispar.";  
RL Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.  
DR EMBL; AF389455; AAK73090.1; -  
KW Hypothetical protein.  
SQ SEQUENCE 1075 AA; 122488 MW; B53EF2507C63D79B CRC64;

Query Match 100.0%; Score 31; DB 12; Length 1075;  
Best Local Similarity 45.5%; Pred. No. 2.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EGVVXXXXXXXX 11  
|||||:|||||

Db 371 EGVVPVILSPY 381

## RESULT 149

O9C1R0  
ID O9C1R0 PRELIMINARY; PRT; 1076 AA.  
AC O9C1R0;  
DT 01-JUN-2001 (TREMBLrel. 17, Created)  
DT 01-JUN-2001 (TREMBLrel. 17, Last sequence update)  
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE ATPase ENALP.  
GN ENAL.  
OS Debaryomyces hansenii (Yeast) (Torulaspora hansenii).  
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
OC Saccharomycetales; Saccharomycetaceae; Debaryomyces.  
OX NCBI\_TaxID=4959;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=21225550; PubMed=11325955;  
RA Almado A., Prista C., Benito B., Loureiro-Dias M.C., Ramos J.;  
RT "Cloning and Expression of Two Genes Coding for Sodium Pumps in the  
Salt-Tolerant Yeast Debaryomyces hansenii.";  
RL J. Bacteriol. 183:3251-3255(2001).  
DR EMBL; AF247561; AAK28385.1; -  
DR HSP; P04191; 1EUL.  
DR InterPro; IPR001757; ATPase\_E1-E2.  
DR InterPro; IPR004014; Cation\_ATPase.  
DR InterPro; IPR000661; H/K\_Na/K\_ATPase.  
DR InterPro; IPR001454; Hlgnaase/hydrilase.  
DR Pfam; PF00689; Cation\_ATPase\_C; 1.  
DR Pfam; PF00690; Cation\_ATPase\_N; 1.  
DR Pfam; PF00122; El-E2\_ATPase; 1.  
DR Pfam; PF00702; Hydrolase; 1.  
DR PRINTS; PR00119; CATATPASE.  
DR PROSITE; PS00154; ATPASE\_E1\_E2; UNKNOWN.1.  
SQ SEQUENCE 1076 AA; 118607 MW; 0858F5CECB65DD62 CRC64;

Query Match 100.0%; Score 31; DB 3; Length 1076;  
Best Local Similarity 45.5%; Pred. No. 2.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EGVVXXXXXXXX 11  
|||||:|||||  
Db 171 EGVVPGDVVCI 181

## RESULT 150

O43001  
ID O43001 PRELIMINARY; PRT; 1076 AA.  
AC O43001;  
DT 01-JUN-1998 (TREMBLrel. 06, Created)  
DT 01-JUN-1998 (TREMBLrel. 06, Last sequence update)  
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE Hypothetical 121.8 kDa protein C2G2.02 in chromosome II.  
GN SPBC2G2.02  
OS Schizosaccharomyces pombe (Fission yeast).  
OC Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;  
OC Schizosaccharomycetales; Schizosaccharomycetaceae;  
OC Schizosaccharomycetes.  
OX NCBI\_TaxID=4896;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=972;  
RA Wood V., Rajandream M.A., Barrell B.G., Devlin K., Churcher C.M.;  
RL Submitted (MAR-1998) to the EMBL/GenBank/DBJ databases.  
CC -1- SIMILARITY: BELONGS TO THE INOSITOL-1,4,5-TRISPHOSPHATE  
5-PHOSPHATASE TYPE II FAMILY.  
CC EMBL; AL022103; CAA17882.1; -  
DR InterPro; IPR005135; Exo\_endo\_phos.  
DR InterPro; IPR000300; IPPC.  
DR InterPro; IPR002013; Syja\_N.  
DR Pfam; PF03372; Exo\_endo\_phos; 1.  
DR Pfam; PF02383; Syja\_N; 1.



DR Pfam: PF03144; GTP\_EFTU\_D2; 2.  
 DR PRINTS: PR00315; ELONGATNFCT.  
 DR TIGRFAMS: TIGR00231; small\_GTP; 1.  
 KW GTP-binding; Protein biosynthesis.  
 SQ SEQUENCE 1144 AA; 127203 MW; A035415A3762CF0C CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1144;  
 Best Local Similarity 45.5%; Pred. No. 2.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 79 EEVPAKCKAS 89

## RESULT 154

Q9SRD1 ID Q9SRD1 PRELIMINARY; PRT; 1146 AA.  
 AC Q9SRD1;  
 DT 01-MAY-2000 (TRENBLrel. 13, Created)  
 DT 01-MAY-2000 (TRENBLrel. 13, Last sequence update)  
 DT 01-JUN-2002 (TRENBLrel. 21, Last annotation update)  
 DE Putative translation initiation factor IF-2, 74568-78972.  
 GN F28016.19.  
 OS Arabidopsis thaliana (Mouse-ear cress).  
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae;  
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.  
 OX NCBI\_TaxID=3702;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=CV. COLUMBIA;  
 RA Lin X., Kaul S., Town C.D., Benito M., Creasy T.H., Haas B.J., Wu D.,  
 RA Maiti R., Ronning C.M., Koo H., Fujii C.Y., Utterback T.R.,  
 RA Barnstead M.E., Bowman C.L., White O., Nierman W.C., Fraser C.M.;  
 RT "Arabidopsis thaliana chromosome 1 BAC F28016 genomic sequence."  
 RL Submitted (OCT-2000) to the EMBL/GenBank/DBJ databases.  
 DR EMBL: AC010718; AAF04443.1;  
 DR InterPro: IPR004161; EFTU\_D2.  
 DR InterPro: IPR000795; EF\_GTPbind.  
 DR InterPro: IPR002132; Ribosomal\_L5.  
 DR InterPro: IPR005225; Small\_GTP.  
 DR Pfam: PF03144; GTP\_EFTU; 1.  
 DR Pfam: PF03144; GTP\_EFTU\_D2; 2.  
 DR PRINTS: PR00315; ELONGATNFCT.  
 DR TIGRFAMS: TIGR00231; small\_GTP; 1.  
 DR PROSITE: PS00358; RIBOSOMAL\_L5; UNKNOWN\_1.  
 DR KW GTP-binding; Initiation factor; Protein biosynthesis.  
 SQ SEQUENCE 1146 AA; 126952 MW; BFFDF4F41ED8799 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 1146;  
 Best Local Similarity 45.5%; Pred. No. 2.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 86 EEVVDNAFVG 96

## RESULT 155

Q9N4H7 ID Q9N4H7 PRELIMINARY; PRT; 1232 AA.  
 AC Q9N4H7;  
 DT 01-OCT-2000 (TRENBLrel. 15, Created)  
 DT 01-OCT-2001 (TRENBLrel. 18, Last sequence update)  
 DT 01-MAR-2002 (TRENBLrel. 20, Last annotation update)  
 DE Hypothetical 137.7 kDa protein.  
 GN Y1F9AL.17.  
 OS Caenorhabditis elegans.  
 OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;  
 OC Rhabditidae; Peloderinae; Caenorhabditis.  
 OX NCBI\_TaxID=6239;  
 RN [1]

RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RX MEDLINE=99069613; PubMed=9851916;  
 RA None;  
 RT "Genome sequence of the nematode C. elegans: a platform for  
 RT investigating biology. The C. elegans Sequencing Consortium.";  
 RL Science 282:2012-2018(1998).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RA Bradshaw-Cordum H., Scott K., Graves T.;  
 RT "The sequence of C. elegans cosmid Y1F9AL.";  
 RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=BRISTOL N2;  
 RA Waterston R.;  
 RT "Direct Submission.";  
 RL Submitted (SEP-2001) to the EMBL/GenBank/DBJ databases.  
 CC -1- SIMILARITY: CONTAINS 7 WD REPEATS (TRP-ASP DOMAINS).  
 DR EMBL: AC024200; AAF36010.2;  
 DR InterPro: IPR001706; Ribosomal\_L35.  
 DR InterPro: IPR001680; WD40.  
 DR Pfam: PF00400; WD40; 7.  
 DR PRINTS: PR00320; GPROTEINBRPT.  
 DR ProDom: PD000018; WD40; 5.  
 DR SMART: SM00320; WD40; 7.  
 DR PROSITE: PS00936; RIBOSOMAL\_L35; UNKNOWN\_1.  
 DR PROSITE: PS00678; WD\_REPEATS\_1; UNKNOWN\_1.  
 DR PROSITE: PS00082; WD\_REPEATS\_2; 6.  
 DR PROSITE: PS00294; WD\_REPEATS\_REGION; 1.  
 DR KW Hypothetical protein; Repeat; WD repeat.  
 SQ SEQUENCE 1232 AA; 137706 MW; 17CBE054630BFA76 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1232;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 914 EEVVPNPAPAV 924

## RESULT 156

Q47766 ID Q47766 PRELIMINARY; PRT; 1306 AA.  
 AC Q47766;  
 DT 01-NOV-1996 (TRENBLrel. 01, Created)  
 DT 01-NOV-1996 (TRENBLrel. 01, Last sequence update)  
 DT 01-JUN-2002 (TRENBLrel. 21, Last annotation update)  
 DE Aggregation substance (ASPI) precursor.  
 GN ASPI.  
 OS Enterococcus faecalis (Streptococcus faecalis).  
 OG Plasmid pPDI.  
 OC Bacteria; Firmicutes; Bacillus/Clostridium group; Lactobacillales;  
 OC Enterococcaceae; Enterococcus.  
 OX NCBI\_TaxID=1351;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=OG1X;  
 RX MEDLINE=92349958; PubMed=1640831;  
 RA Galli D., Friesenegger A., Wirth R.;  
 RT "Transcriptional control of sex-pheromone-inducible genes on plasmid  
 RT pADI of Enterococcus faecalis and sequence analysis of a third  
 RT structural gene for (pPDI-encoded) aggregation substance.";  
 RL Mol. Microbiol. 6:1297-1308(1992).  
 DR EMBL: X62656; CAA44520.1;  
 DR InterPro: IPR001899; Gram\_pos\_anchor.  
 DR InterPro: IPR000566; Lipocln\_cytfABP.  
 DR Pfam: PF00746; Gram\_pos\_anchor; 1.  
 DR TIGRFAMS: TIGR01167; LPXTG\_anchor; 1.  
 DR PROSITE: PS00343; GRAM\_POS\_ANCHORING; UNKNOWN\_1.  
 DR PROSITE: PS00213; LIPOCALIN; UNKNOWN\_1.



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KW Plasmid; Signal.
FT SIGNAL 1 43 POTENTIAL.
FT CHAIN 44 1306 AGGREGATION SUBSTANCE (ASPL).
SQ SEQUENCE 1306 AA; 142971 MW; 4652DA14AA23A7D5 CRC64;

Query Match
Best Local Similarity 100.0%; Score 31; DB 2; Length 1306;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVVPXXXXX 11
Db 91 EEEVVPKGIAAE 101

RESULT 157
Q88304 ID Q88304 PRELIMINARY; PRT; 1341 AA.
AC Q88304
DT 01-NOV-1996 (TREMBlrel. 01, Created)
DT 01-NOV-1996 (TREMBlrel. 01, Last sequence update)
DT 01-DEC-2001 (TREMBlrel. 19, Last annotation update)
DE Glycoprotein precursor polypeptide.
OS Sandfly fever sicilian virus (SFS).
OC Viruses; ssRNA negative-strand viruses; Bunyaviridae; Phlebovirus.
CX NCBI_TaxID=28292;
RN [1]
RP SEQUENCE FROM N.A.
RA Glass P.J., Parker M.D.;
RL Submitted (JUN-1995) to the EMBL/GenBank/DBJ databases.
DR EMBL; U30500; AAA75043.1; -
SQ SEQUENCE 1341 AA; 148766 MW; DDC656BEDEC4F9B68 CRC64;

Query Match
Best Local Similarity 100.0%; Score 31; DB 12; Length 1341;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVVPXXXXX 11
Db 488 EEEVPPFAIFKN 498

RESULT 158
Q9VOR8 ID Q9VOR8 PRELIMINARY; PRT; 1376 AA.
AC Q9VOR8;
DT 01-MAY-2000 (TREMBlrel. 13, Created)
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE CG3229 protein.
GN CG3229.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
CX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RA STRAIN-BERKELEY.
RX MEDLINE=20196006; PubMed-10731132;
RA Adams M.D., Ceiniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Amanatides P.G., Scherer S.E., Li P.W., Hoskins R.A., Galie R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Vandeil M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Prannkoc C., Baldwin D.,
RA Balieu R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,

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RA Durbin K.J., Evangelista C.C., Ferraz C., Ferriera S., Fleischmann W.,
RA Posler C., Gabriellian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Swirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wasserman D.A., Weinstein G.M., Weissenbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster."
RL Science 287:2185-2195(2000).
CC -!- SIMILARITY: BELONGS TO PEPTIDASE FAMILY S1; ALSO KNOWN AS THE
CC TRYPSIN FAMILY.
DR EMBL; AE003579; AAF51096.1; -
DR HSSP; P00763; LDPO.
DR MEROPS; S01.113; -
DR FlyBase; FBgn0031543; CG3229.
DR InterPro; IPR001314; Chymotrypsin.
DR InterPro; IPR004493; Leu-trna-synt.
DR InterPro; IPR002016; Peroxidase.
DR InterPro; IPR001254; Ser-protease_Try.
DR Pfam; PF00089; trypsin; 1.
DR PRINTS; PR00722; CHYMOTRYPSIN.
DR SMART; SM00020; Tryp_SPC; 1.
DR TIGRFAMS; TIGR00395; leus_arch; 1.
DR PROSITE; PS00435; PEROXIDASE_1; UNKNOWN_1.
DR PROSITE; PS02040; TRYPSIN_DOM; 1.
DR PROSITE; PS00134; TRYPSIN_HIS; 1.
DR PROSITE; PS00135; TRYPSIN_SER; 1.
KW Hydrolase; Serine protease.
SQ SEQUENCE 1376 AA; 156007 MW; 9B24E89EEBBI73F0 CRC64;

Query Match
Best Local Similarity 100.0%; Score 31; DB 5; Length 1376;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEEVVPXXXXX 11
Db 67 EEEVVPVAAEA 77

RESULT 159
Q96914 ID Q96914 PRELIMINARY; PRT; 1499 AA.
AC Q96914;
DT 01-DEC-2001 (TREMBlrel. 19, Created)
DT 01-DEC-2001 (TREMBlrel. 19, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE Putative aminophospholipid translocase (Aminophospholipid-transporting
DE ATPase).
GN ATP10C.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
CX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21225279; PubMed=11326269;
RA Meguro M., Kashiwagi A., Mitsuya K., Nakao M., Kondo I., Saitoh S.,
RA Oshimura M.;

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RT "A novel maternally expressed gene, ATP10C, encodes a putative  
 RT aminophospholipid translocase associated with Angelman syndrome."  
 RL Nat. Genet. 28:19-20(2001).  
 RN [2]

RP SEQUENCE FROM N.A.  
 RX MEDLINE=21313119; PubMed=11353404;  
 RA Herzling L.B.K., Kim S.-J., Cook E.H. Jr., Ledbetter D.H.;  
 RT "The human aminophospholipid-transporting ATPase gene ATP10C maps  
 RT adjacent to UBE3A and exhibits similar imprinted expression."  
 RL Am. J. Hum. Genet. 68:1501-1505(2001).  
 DR EMBL; AB051358; BAB47392.1; -.  
 DR EMBL; AY029504; AAK33100.1; -.  
 DR EMBL; AY029487; AAK33100.1; JOINED.  
 DR EMBL; AY029488; AAK33100.1; JOINED.  
 DR EMBL; AY029489; AAK33100.1; JOINED.  
 DR EMBL; AY029490; AAK33100.1; JOINED.  
 DR EMBL; AY029491; AAK33100.1; JOINED.  
 DR EMBL; AY029492; AAK33100.1; JOINED.  
 DR EMBL; AY029493; AAK33100.1; JOINED.  
 DR EMBL; AY029494; AAK33100.1; JOINED.  
 DR EMBL; AY029495; AAK33100.1; JOINED.  
 DR EMBL; AY029496; AAK33100.1; JOINED.  
 DR EMBL; AY029497; AAK33100.1; JOINED.  
 DR EMBL; AY029498; AAK33100.1; JOINED.  
 DR EMBL; AY029499; AAK33100.1; JOINED.  
 DR EMBL; AY029500; AAK33100.1; JOINED.  
 DR EMBL; AY029501; AAK33100.1; JOINED.  
 DR EMBL; AY029502; AAK33100.1; JOINED.  
 DR EMBL; AY029503; AAK33100.1; JOINED.  
 DR InterPro; IPR001757; ATPase\_E1-E2.  
 DR InterPro; IPR001064; Crystallin.  
 DR InterPro; IPR001454; Hlgase/hydrolase.  
 DR Pfam; PF00702; Hydrolase; 1.  
 DR PROSITE; PS00154; ATPase\_E1\_E2; UNKNOWN\_1.  
 DR PROSITE; PS00225; CRYSTALLIN\_BETAGAMMA; UNKNOWN\_1.  
 DR SEQUENCE 1499 AA; 167687 MW; D4996A4D0635A68D CRC64;

Query Match 100.0%; Score 31; DB 4; Length 1499;  
 Best Local Similarity 45.5%; Pred. No. 3.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 469 EEVVPGRGVS 479  
 |||||:|:|:|:|

RESULT 160  
 Q9GZ07 PRELIMINARY; PRT; 1503 AA.  
 ID Q9GZ07  
 AC Q9GZ07  
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)  
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE DNA-dependent RNA polymerase.  
 GN TRNAP.

OS Plasmodium falciparum.  
 OC Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.  
 OX NCBI\_TaxID=5833;  
 RN [1]

RP SEQUENCE FROM N.A.  
 RX MEDLINE=21192559; PubMed=11295180;  
 RA Li J., Maga J.A., Cermakian N., Cedergren R., Feagin J.E.;  
 RT "Identification and characterization of a Plasmodium falciparum RNA  
 RT polymerase gene with similarity to mitochondrial RNA polymerases."  
 RL Mol. Biochem. Parasitol. 113:261-269(2001).  
 DR EMBL; AF273674; AAG00950.1; -.  
 DR HSSP; P00573; IARO.  
 DR InterPro; IPR002092; RNA\_pol\_phase.  
 DR Pfam; PF00940; RNA\_pol. 1.  
 DR PROSITE; PS00900; RNA\_POL\_PHASE\_1; 1.  
 DR PROSITE; PS00489; RNA\_POL\_PHASE\_2; 1.  
 DR SEQUENCE 1503 AA; 176999 MW; B89943E9EF6DAC7A CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1503;  
 Best Local Similarity 45.5%; Pred. No. 3.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 333 EEVVPKKKKKN 343  
 |||||:|:|:|:|

RESULT 161  
 Q35379 PRELIMINARY; PRT; 1528 AA.  
 ID Q35379  
 AC Q35379  
 DT 01-JAN-1998 (TrEMBLrel. 05, Created)  
 DT 01-JAN-1998 (TrEMBLrel. 05, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Multidrug resistance protein.  
 GN ABCCL1A.

OS Mus musculus (Mouse).  
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 OX NCBI\_TaxID=10090;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=MUSCLE;  
 RX MEDLINE=96251691; PubMed=8649356;  
 RA Stride B.D., Valdimarsson G., Gerlach J.H., Wilson G.M., Cole S.P.,  
 RA Deeley R.G.;  
 RT "Structure and expression of the messenger RNA encoding the murine  
 RT multidrug resistance protein, an ATP-binding cassette transporter";  
 RL Mol. Pharmacol. 49:962-971(1996).  
 RN [2]

RP SEQUENCE FROM N.A.  
 RC TISSUE=MUSCLE;  
 RA Stride B.D.;  
 RL Submitted (SEP-1997) to the EMBL/GenBank/DBJ databases.  
 CC -1- SIMILARITY: BELONGS TO THE ABC TRANSPORTER FAMILY.  
 DR EMBL; AF022908; AAB80938.1; -.

DR HSSP; PI3569; INBD.  
 DR MGD; MGI:102676; Abcccl1.  
 DR InterPro; IPR003593; AAA\_ATPase.  
 DR InterPro; IPR001140; ABCtransporterTM.  
 DR InterPro; IPR003439; ABC\_transporter.  
 DR InterPro; IPR001395; Algo/kel\_red.  
 DR InterPro; IPR005292; MRP\_assoc.  
 DR Pfam; PF00664; ABC\_membrane; 2.  
 DR Pfam; PF00005; ABC\_tran; 2.  
 DR ProDom; PD000006; ABC\_transporter; 2.  
 DR SMART; SM00382; AAA; 1.  
 DR TIGRPFAMS; TIGR00957; MRP\_assoc\_pro; 1.  
 DR PROSITE; PS00211; ABC\_TRANSPORTER; 2.  
 DR PROSITE; PS00063; ALDO\_KETO\_REDUCTASE\_3; UNKNOWN\_1.  
 KW ATP-binding; Transport.  
 SQ SEQUENCE 1528 AA; 171184 MW; 68FD13667D61DBBB CRC64;

Query Match 100.0%; Score 31; DB 11; Length 1528;  
 Best Local Similarity 45.5%; Pred. No. 3.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 251 EEVVPVLVNNW 261  
 |||||:|:|:|:|

RESULT 162  
 Q8T526 PRELIMINARY; PRT; 1608 AA.  
 ID Q8T526  
 AC Q8T526  
 DT 01-JUN-2002 (TrEMBLrel. 21, Created)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE LCCL domain-containing protein CCP2 (Fragment).  
 OS Plasmodium berghei.

OC Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.  
OX NCBI\_TaxID=5821;

RN SEQUENCE FROM N.A.  
RC STRAIN=NR65;

RA Pradel G., Templeton T.J.;

RT "Characterization of a novel LCCL domain-containing protein family  
expressed during the sexual stage of the Plasmodium life cycle.";

RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.

DR EMBL; AF491294; AAM09531.1;

FT NON\_TER 1608 1608

SQ SEQUENCE 1608 AA; 182733 MW; EC29C4338CALA316 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 1608;  
Best Local Similarity 45.5%; Pred. No. 3.4e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPVXXXXX 11

|||||:|:|:|:|

Db 117 EEVVPYQAIES 127

RESULT 163

Q8YX14 PRELIMINARY; PRT; 1749 AA.

AC Q8YX14;

DT 01-MAR-2002 (TrEMBLrel. 20, Created)

DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)

DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)

DE Two-component sensor histidine kinase.

GN ALR1229.

OS Anabaena sp. (strain PCC 7120).

OC Bacteria; Cyanobacteria; Nostocales; Nostocaceae; Nostoc.

OX NCBI\_TaxID=103690;

RN SEQUENCE FROM N.A.

RE MEDLINE=21595285; PubMed=11759840;

RA Kaneko T., Nakamura Y., Wolk C.P., Kuritz T., Sasamoto S.,

RA Watanabe A., Iriquchi M., Ishikawa A., Kawashima K., Kimura T.,

RA Kishida Y., Kohara M., Matsumoto M., Matsuno A., Muraki A.,

RA Nakazaki N., Shimpo S., Sugimoto M., Takazawa M., Yamada M.,

RA Yasuda M., Tabata S.;

RT "Complete genomic sequence of the filamentous nitrogen-fixing

cyanobacterium Anabaena sp. strain PCC 7120.";

RL DNA Res. 8:205-213(2001).

DR EMBL; AP003585; BAB73186.1;

DR InterPro; IPR003594; ATPbind\_ATPase.

DR InterPro; IPR004358; Bact\_sens\_pr\_C.

DR InterPro; IPR003018; GAF.

DR InterPro; IPR003661; His\_kinA.

DR InterPro; IPR004359; HIS\_KIN\_sig.

DR InterPro; IPR001610; PAC.

DR InterPro; IPR007000; PAS-assoc\_C.

DR Pfam; PF00571; CBS; 2.

DR Pfam; PF01590; GAF; 1.

DR Pfam; PF02518; HATPase\_c; 1.

DR Pfam; PF00785; PAC; 9.

DR Pfam; PF00989; PAS; 8.

DR Pfam; PF00512; signal; 1.

DR PRINTS; PR00344; BCTRLSENSOR.

DR SMART; SM00116; CBS; 2.

DR SMART; SM00065; GAF; 1.

DR SMART; SM00387; HATPase\_c; 1.

DR SMART; SM00388; Hiska; 1.

DR SMART; SM00086; PAC; 8.

DR SMART; SM00091; PAS; 9.

DR TIGRFAMs; TIGR00229; sensory\_box; 9.

DR PROSITE; PS50109; HIS\_KIN; 1.

DR PROSITE; PS50113; PAC; 9.

DR PROSITE; PS50112; PAS; 7.

DR Kinase; Complete proteome.

KW

SQ SEQUENCE 1749 AA; 198813 MW; 70AEF585C9538706 CRC64;

Query Match 100.0%; Score 31; DB 16; Length 1749;

Best Local Similarity 45.5%; Pred. No. 3.7e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPVXXXXX 11

|||||:|:|:|:|

Db 1085 EEVVPHEGLH 1095

RESULT 164

Q942J8

ID Q942J8 PRELIMINARY; PRT; 1920 AA.

AC Q942J8;

DT 01-DEC-2001 (TrEMBLrel. 19, Created)

DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)

DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)

DE Putative microtubule associated protein.

GN B1148D12.3.

OS Oryza sativa (Rice).

OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

OC Ehrhartoideae; Oryzeae; Oryza.

OX NCBI\_TaxID=4530;

RN SEQUENCE FROM N.A.

RC STRAIN=CV. NIPPONBARE;

RA Sasaki T., Matsumoto T., Yamamoto K.;

RT "Oryza sativa nipponbare(GA3) genomic DNA, chromosome 1, BAC

clone:B1148D12.";

RL Submitted (MAR-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AP003411; BAB64822.1;

DR InterPro; IPR000357; HEAT\_repeat.

DR PROSITE; PS50077; HEAT\_REPEAT; 1.

SQ SEQUENCE 1920 AA; 212194 MW; 992FBB8D58F6BBB1 CRC64;

Query Match 100.0%; Score 31; DB 10; Length 1920;

Best Local Similarity 45.5%; Pred. No. 4.1e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPVXXXXX 11

|||||:|:|:|:|

Db 248 EEVPEAAGTN 258

RESULT 165

O97791

ID O97791 PRELIMINARY; PRT; 2000 AA.

AC O97791;

DT 01-MAY-1999 (TrEMBLrel. 10, Created)

DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)

DT 01-DEC-2001 (TrEMBLrel. 19, Last annotation update)

DE Titin (Fragment).

GN TITIN.

OS Oryctolagus cuniculus (Rabbit).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Lagomorpha; Leporidae; Oryctolagus.

OX NCBI\_TaxID=9986;

RN SEQUENCE FROM N.A.

RC TISSUE=SOLEUS SKELETAL MUSCLE;

RX MEDLINE=99034591; PubMed=9817758;

RA Gregorio C.C., Trombitas T., Kolmerer B., Stier G., Granzier H.,

RA Kunke K., Suzuki K., Obermayr F., Herrmann B., Sorimachi H.,

RA Labelit S.;

RT "The N terminal of titin spans the Z-Disc. Its interaction with a

novel 19 kDa Ligand (T-cap) is required for sarcomeric integrity.";

RL J. Cell Biol. 143:1013-1027(1998).

DR EMBL; Y18102; CAA77028.1;

DR HSSP; P56276; ITHK.

DR InterPro; IPR003598; Ig\_c2.

DR InterPro; IPR003600; Ig\_like.

DR InterPro: IPR003006; Ig\_MHC.  
 DR Pfam: PF00047; Ig; 9.  
 DR SMART; SM00408; IGG2; 4.  
 DR SMART; SM00410; IG-like; 4.  
 KW Immunoglobulin domain.  
 FT NON\_TER 2000 2000  
 SQ SEQUENCE 2000 AA; 222702 MW; D157B54C33D5BB68 CRC64;

Query Match 100.0%; Score 31; DB 6; Length 2000;  
 Best Local Similarity 45.5%; Pred. No. 4.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 DB 196 EEVVPKRTKT 206

RESULT 166

Q9DE13 PRELIMINARY; .PRT; 2130 AA.  
 AC Q9DE13;  
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)  
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Extracellular matrix protein F22.  
 OS Gallus gallus (Chicken).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae;  
 OC Gallus.  
 OX NCBI\_TaxID=9031;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Yoon H., Philp N.J.;  
 RT "Cloning of a new extracellular matrix protein expressed in retina."  
 RL Submitted (JAN-2000) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AF224275; AAG36791.1; -;  
 DR HSSP; Q92831; 1B91.  
 DR InterPro: IPR001487; Bromodomain.  
 DR InterPro: IPR004022; DDT\_dom.  
 DR InterPro: IPR001739; Methyl-CpG\_bind.  
 DR InterPro: IPR001965; ZnF\_PHD.  
 DR Pfam; PF00439; bromodomain; 1.  
 DR Pfam; PF02791; DDT; 1.  
 DR Pfam; PF01429; MBD; 1.  
 DR Pfam; PF00628; PHD; 1.  
 DR PRINTS; PR00503; BROMODOMAIN.  
 DR SMART; SM00297; BROMO; 1.  
 DR SMART; SM00391; MBD; 1.  
 DR SMART; SM00249; PHD; 1.  
 DR PROSITE; PS50014; BROMODOMAIN\_2; 1.  
 KW Matrix protein.  
 SQ SEQUENCE 2130 AA; 236140 MW; 208C48FB0BA68F70 CRC64;

Query Match 100.0%; Score 31; DB 13; Length 2130;  
 Best Local Similarity 45.5%; Pred. No. 4.6e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 DB 746 EEVVPICIRAME 756

RESULT 167

Q71209 PRELIMINARY; .PRT; 2473 AA.  
 AC Q71209;  
 DT 01-AUG-1998 (TrEMBLrel. 07, Created)  
 DT 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Methyltransferase/helicase polyprotein (Fragment).  
 OS grapevine leafroll-associated virus 2.  
 OC Viruses; ssRNA positive-strand viruses, no DNA stage; Closteroviridae;  
 OC Closterovirus.

OX NCBI\_TaxID=64003;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=98264507; PubMed=9603345;  
 RA Zhu H.Y., Ling K.S., Gosczyński D.E., McPerson J.R., Gonsalves D.;  
 RT "Nucleotide Sequence and Genome Organization of Grapevine Leafroll-  
 RT Associated Virus-2 are Similar to Beet Yellow Virus, the  
 RT Closterovirus Type Member."  
 RL J. Gen. Virol. 79:1289-1298(1998).  
 DR EMBL; AF039204; AAC40855.1; -;  
 DR InterPro: IPR000606; Viral\_helicase.  
 DR InterPro: IPR002588; V\_methyltransf.  
 DR Pfam; PF01443; Viral\_helicase; 1.  
 DR Pfam; PF01660; Vmethyltransf; 1.  
 KW Helicase; Polyprotein; Transferase.  
 FT NON\_TER 1  
 SQ SEQUENCE 2473 AA; 277096 MW; F8DEEBA6A58ED425 CRC64;

Query Match 100.0%; Score 31; DB 12; Length 2473;  
 Best Local Similarity 45.5%; Pred. No. 5.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 DB 389 EEVVPDITPA 399

RESULT 168

Q9Y6R7 PRELIMINARY; .PRT; 2843 AA.  
 AC Q9Y6R7;  
 DT 01-NOV-1999 (TrEMBLrel. 12, Created)  
 DT 01-NOV-1999 (TrEMBLrel. 12, Last sequence update)  
 DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
 DE Human Fc gamma BP (Fragment).  
 OS Homo sapiens (Human).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Lamerdin J.E., McCready P.M., Richardson P., Sakaldasis G.,  
 RA Burkhardt-Schultz K., Gordon L., Dias J., Scott D., Stilwagen S.,  
 RA Phan H., Velasco N., Do L., Regala W., Terry A., Skowronski E.,  
 RA Danganan L., Erler A., Christensen M., Georgescu A., Avila J.,  
 RA Johnson G., Attix C., Andreise T., Amico-Keller G., Cosfield J.,  
 RA Duarte S., Lucas S., Bruce R., Thomas P., Quan G., Kronmiller B.,  
 RA Arellano A., Sanders C., Ow D., Nolan M., Trong S., Kobayashi A.,  
 RA Olsen A.S., Carrano A.V.;  
 RT "Sequence analysis of a 2.3 Mb region in 19ql3.1 containing the RYR  
 RT gene."  
 RL Submitted (JUN-1999) to the EMBL/GenBank/DBJ databases.  
 DR EMBL; AC007842; AAD39266.1; -;  
 DR HSSP; P55949; 1DME.  
 DR InterPro: IPR000561; EGF-like.  
 DR InterPro: IPR003645; FOLN.  
 DR InterPro: IPR002045; Metlthion\_crust.  
 DR InterPro: IPR002919; TIL\_Cysrich.  
 DR InterPro: IPR001007; VWF\_C.  
 DR InterPro: IPR001846; VWF\_D.  
 DR Pfam; PF01826; TIL; 6.  
 DR Pfam; PF00094; vwd; 6.  
 DR PRINTS; PR00858; MTCRUSTACEAN.  
 DR SMART; SM00274; FOLN; 4.  
 DR SMART; SM00214; VWC; 3.  
 DR SMART; SM00216; VWD; 6.  
 DR PROSITE; PS01186; EGF\_2; 6.  
 KW EGF-like domain; Glycoprotein.  
 FT NON\_TER 2843  
 SQ SEQUENCE 2843 AA; 301805 MW; D2C35B53281E5269 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 2843;  
 Best Local Similarity 45.5%; Pred. No. 6.2e+03;

```
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEEVPPXXXXXX 11
    |||||:||||:
Db 1420 EEEVPPDPCPLP 1430

RESULT 169
Q9N8R7 PRELIMINARY; PRT; 2903 AA.
AC Q9N8R7;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Possible putative phosphatidylinositol-kinase.
GN CHL175.
OS Trypanosoma brucei.
OC Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma.
OX NCBI_TaxID=5691;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN-TREU927;
RA Hall N., Bowman S., Quail M., Ivens A.C., Kay M.P., Bray-Allen S.,
RA Lennard N.J., Clark L.N., Harris B.R., Melville S., Lawson D.,
RA Gerard C., Rajandream M.A., Barrell B.G.;
RL Submitted (JUN-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL: AL359782; CAB95466.1;
DR InterPro: IPR003151; FAT.
DR InterPro: IPR003152; FATC.
DR InterPro: IPR002016; Peroxidase.
DR InterPro: IPR000403; PI3_PI4_Kinase.
DR InterPro: IPR000387; TYR_phosphatase.
DR Pfam: PF02259; FAT_1.
DR Pfam: PF02260; FATC_1.
DR Pfam: PF00454; PI3_PI4_Kinase; 1.
DR SMART; SM00146; PI3KC; 1.
DR PROSITE; PS00436; PEROXIDASE_2; UNKNOWN_1.
DR PROSITE; PS00916; PI3_4_KINASE_2; 1.
DR PROSITE; PS02090; PI3_4_KINASE_3; 1.
DR PROSITE; PS00383; TYR_PHOSPHATASE_1; UNKNOWN_1.
KW Kinase.
SQ SEQUENCE 2903 AA; 324209 MW; 9FB5180E600E6810 CRC64;
```

```
Query Match 100.0%; Score 31; DB 5; Length 2903;
Best Local Similarity 45.5%; Pred. No. 6.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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QY 1 EEEVPPXXXXXX 11
    |||||:||||:
Db 957 EEEVPPDTIALS 967
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RESULT 170
Q9Q9A7 PRELIMINARY; PRT; 3033 AA.
AC Q9Q9A7;
DT 01-MAY-2000 (TrEMBLrel. 13, Created)
DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Genome polyprotein [Contains: envelope glycoprotein E2 (GP68) (GP70) (NS1)].
OS Hepatitis C virus.
OC Viruses; ssRNA positive-strand viruses, no DNA stage; Flaviviridae;
OC Hepacivirus.
OX NCBI_TaxID=11103;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=NDM59;
RX MEDLINE=21361470; PubMed=11468731;
RA Kurihara C., Ishiyama N., Nishiyama Y., Fukushi S., Kageyama T.,
RA Kageyama K., Miura S.;
RT "Molecular characterization of hepatitis C virus genotype 2a from the
RT entire sequences of four isolates.";
```

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J. Med. Virol. 64:466-475(2001).
CC -1- SIMILARITY: TO HEPATITIS C VIRUS ENVELOPE GLYCOPROTEIN E1.
DR EMBL: AF169005; AAF25613.1;
DR HSSP; P27958; IHEI.
DR MEROPS; S29.001; -.
DR MEROPS; U39.001; -.
DR InterPro: IPR001410; DEAD.
DR InterPro: IPR002522; HCV_capsid.
DR InterPro: IPR002521; HCV_core.
DR InterPro: IPR002519; HCV_env.
DR InterPro: IPR002531; HCV_NS1.
DR InterPro: IPR002518; HCV_NS2.
DR InterPro: IPR004109; HCV_NS3.
DR InterPro: IPR000745; HCV_NS4a.
DR InterPro: IPR001490; HCV_NS4b.
DR InterPro: IPR002868; HCV_NS5a.
DR InterPro: IPR002166; HCV_RdRP.
DR Pfam: PF01543; HCV_capsid; 1.
DR Pfam: PF01542; HCV_core; 1.
DR Pfam: PF01539; HCV_env; 1.
DR Pfam: PF01560; HCV_NS1; 1.
DR Pfam: PF01538; HCV_NS2; 1.
DR Pfam: PF02907; HCV_NS3; 1.
DR Pfam: PF01006; HCV_NS4a; 1.
DR Pfam: PF01001; HCV_NS4b; 1.
DR Pfam: PF01506; HCV_NS5a; 1.
DR Pfam: PF00998; HCV_RdRP; 1.
DR ProDom; PD186062; HCV_NS1; 1.
DR ATP-binding; Coat protein; Envelope protein; Glycoprotein; Helicase;
KW Nonstructural protein; Polyprotein; RNA-directed RNA polymerase;
KW Transmembrane.
SQ SEQUENCE 3033 AA; 329226 MW; 21492388CA0D5D8C CRC64;
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Query Match 100.0%; Score 31; DB 12; Length 3033;
Best Local Similarity 45.5%; Pred. No. 6.6e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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QY 1 EEEVPPXXXXXX 11
    |||||:||||:
Db 2418 EEEVPGSDSGS 2428
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RESULT 171
Q9IBP2 PRELIMINARY; PRT; 3066 AA.
AC Q9IBP2;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
DE Polyprotein.
OS Soybean mosaic virus.
OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;
OC Potyvirus.
OX NCBI_TaxID=12222;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=G7;
RX MEDLINE=92356085; PubMed=1645142;
RA Jayaram C., Hill J.H., Miller W.A.;
RT "Complete nucleotide sequences of two soybean mosaic virus strains
RT differentiated by response of soybean containing the Rsv resistance
RT gene.";
RL J. Gen. Virol. 73:2067-2077(1992).
RN [2]
RP SEQUENCE FROM N.A.
RC STRAIN=G7;
RA Jayaram C., Hill J.H., Miller W.A.;
RL Submitted (MAR-2000) to the EMBL/GenBank/DBJ databases.
DR EMBL: AF241739; AAF67344.1;
DR MEROPS; C04.003; -.
DR InterPro: IPR001410; DEAD.
DR InterPro: IPR001650; Helicase_C.
DR InterPro: IPR001730; Peptidase_C4.
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DR InterPro: IPR001456; Peptidase_C6.
DR InterPro: IPR001592; Poty_coat.
DR InterPro: IPR002540; Poty_P1.
DR InterPro: IPR001205; RNA_pol_P3D.
DR InterPro: IPR001254; Ser_protease_Try.
DR Pfam: PF00271; helicase_C1.
DR Pfam: PF00863; Peptidase_C4; 1.
DR Pfam: PF00851; Peptidase_C6; 1.
DR Pfam: PF00767; Poty_coat; 1.
DR Pfam: PF01577; Poty_P1; 1.
DR Pfam: PF00680; RNA_dep_RNA_pol; 1.
DR PRINTS: PR00966; NIAPONPTASE.
DR SMART: SM00487; DEXDC; 1.
DR SMART: SM00490; HELIC; 1.
DR PROSITE: PS00240; TRYPSIN_DOM; 1.
KW Hydrolase; Serine protease.
FT CHAIN 1 308 P1.
FT CHAIN 309 765 HC-PRO.
FT CHAIN 766 1164 P3.
FT CHAIN 1165 1798 CI.
FT CHAIN 1799 1851 6K.
FT CHAIN 1852 2284 NUCLEAR INCLUSION PROTEIN A.
FT CHAIN 2285 2801 NUCLEAR INCLUSION PROTEIN B.
FT CHAIN 2802 3066 COAT PROTEIN.
SQ SEQUENCE 3066 AA; 349749 MW; DF25ED57A1A2615D CRC64;

Query Match 100.0%; Score 31; DB 12; Length 3066;
Best Local Similarity 45.5%; Pred. No. 6.7e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 532 EEVVPSEGYSK 542
|||||:.....

RESULT 172
Q917U3 PRELIMINARY; PRT; 3263 AA.
AC Q917U3;
DT 01-MAR-2001 (TREMBlrel. 16, Created)
DT 01-MAR-2001 (TREMBlrel. 16, Last sequence update)
DE 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE CG18857 protein.
GN CG18857 OR CG18245.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Ananides P.G., Scher S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champagne M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkuch C., Baldwin D.,
RA Ballwe R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brattier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Foster C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,

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RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,
RA Nelson D.R., Nelson K.A., Nixon K., Nuskern D.R., Pacleb J.M.,
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,
RA Svirskaas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
RA Wang Z.-Y., Wasserman D.A., Weinstein G.M., Weissbach J.,
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
RA Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
RT "The genome sequence of Drosophila melanogaster."
RL Science 287:2185-2195(2000).
DR EMBL: AE003473; AAC22227.1; -.
DR Flybase: FBgn0042183; CG18857.
DR InterPro: IPR003598; Ig_C2.
DR InterPro: IPR003600; Ig_Like.
DR InterPro: IPR003006; Ig_MHC.
DR Pfam: PF00047; Ig; 6.
DR SMART: SM00408; IGC2; 2.
DR SMART: SM00410; IG_Like; 3.
KW Immunoglobulin domain.
SQ SEQUENCE 3263 AA; 373083 MW; 3776DE5CD75E03F3 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 3263;
Best Local Similarity 45.5%; Pred. No. 7.1e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 1600 EEVVPTEETPE 1610
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RESULT 173
Q917U4 PRELIMINARY; PRT; 6815 AA.
AC Q917U4;
DT 01-MAR-2001 (TREMBlrel. 16, Created)
DT 01-MAR-2001 (TREMBlrel. 16, Last sequence update)
DT 01-MAR-2002 (TREMBlrel. 20, Last annotation update)
DE CG18242 protein.
GN CG18242.
OS Drosophila melanogaster (Fruit fly).
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
OC Ephydroidea; Drosophilidae; Drosophila.
OX NCBI_TaxID=7227;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BERKELEY;
RX MEDLINE=20196006; PubMed=10731132;
RA Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D.,
RA Ananides P.G., Scher S.E., Li P.W., Hoskins R.A., Galle R.F.,
RA George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N.,
RA Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X.,
RA Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champagne M., Pfeiffer B.D.,
RA Wan K.H., Doyle C., Baxter E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkuch C., Baldwin D.,
RA Ballwe R.M., Basu A., Baxendale J., Bayraktaroglu L., Beasley E.M.,
RA Beeson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S.,
RA Borkova D., Botchan M.R., Bouck J., Brokstein P., Brattier P.,
RA Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I.,
RA Cherry J.M., Cawley S., Dahlke C., Davenport L.B., Davies P.,
RA de Pablos B., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M.,
RA Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
RA Durbin K.J., Evangelista C.C., Ferraz C., Ferreira S., Fleischmann W.,
RA Foster C., Gabrielian A.E., Garg N.S., Gelbart W.M., Glasser K.,
RA Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.,

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RA Harris N.L., Harvey D., Helman T.J., Hernandez J.R., Houck J.,  
RA Hostin D., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C.,  
RA Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,  
RA Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,  
RA Lasko P., Lei Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X.,  
RA Liu X., Mattei B., McIntosh T.C., McLeod M.P., McPherson D.,  
RA Merkulov G., Milshina N.V., Mobarry C., Morris J., Moshrefi A.,  
RA Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L.,  
RA Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,  
RA Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G.,  
RA Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,  
RA Shue B.C., Siden-Kiamos I., Simpson M., Skupski M.P., Smith T.,  
RA Spier E., Spradling A.C., Stapleton M., Strong R., Sun E.,  
RA Svirskas R., Tector R., Turner R., Venter E., Wang A.H., Wang X.,  
RA Wang Z.-Y., Wassarman D.A., Weinstock G.M., Weissbach J.,  
RA Williams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,  
RA Ye J., Yeh R.F., Zaveri J.S., Zhan M., Zhang G., Zhao Q., Zheng L.,  
RA Zheng X.H., Zhong F.N., Zhong W., Zhou X., Zhu S., Zhu X., Smith H.O.,  
RA Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;  
RT "The genome sequence of *Drosophila melanogaster*.";  
RL Science 287:2185-2195(2000).  
CC -!- SIMILARITY: CONTAINS 1 SH3 DOMAIN.  
DR EMBL; AE003473; AAC22226.1; -.  
DR HSSP; P56276; ITLK.  
DR Flybase; FBgn0035301; CG18242.  
DR InterPro; IPR003962; FNIII\_repeat.  
DR InterPro; IPR003961; FN.III.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003600; Ig\_Like.  
DR Pfam; PF00041; fn3; 5.  
DR Pfam; PF00047; fn3; 5.  
DR Pfam; PF00018; SH3; 1.  
DR PRINTS; PR00014; ENTPEIIL.  
DR SMART; SM00060; FN3; 2.  
DR SMART; SM00408; IGC2; 5.  
DR SMART; SM00410; IG\_Like; 6.  
DR SMART; SM00326; SH3; 1.  
DR PROSITE; PS00002; SH3; 1.  
KW Immunoglobulin domain; Repeat; SH3 domain.  
SQ SEQUENCE 6815 AA; 779559 MW; AE244001A4EBA01 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 6815;  
Best Local Similarity 45.5%; Pred. No. 1.5e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXX 11  
DB 4689 BEVVPPIVEE 4699

RESULT 174  
Q10465 PRELIMINARY; PRT; 7962 AA.  
AC Q10465;  
DT 01-NOV-1996 (TREMBLrel. 01, Created)  
DT 01-NOV-1996 (TREMBLrel. 01, Last sequence update)  
DE 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE Titin, skeletal muscle isoform (EC 2.7.1.-) (Connectin) (Fragment).  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC TISSUE-SKELETAL MUSCLE;  
RX MEDLINE=96026330; PubMed=7569978;  
RA Labelit S., Kolmer B.;  
RT "Titins: giant proteins in charge of muscle ultrastructure and elasticity.";  
RL Science 270:293-296(1995).  
CC -!- FUNCTION: THIS GIANT MUSCLE PROTEIN MAY BE INVOLVED IN MUSCLE

CC ASSEMBLY AND IN MAINTAINING THE STRUCTURAL INTEGRITY OF  
CC SARCOMERES. MAY HAVE PROTEIN KINASE ACTIVITY.  
CC -!- ALTERNATIVE PRODUCTS: A NUMBER OF FORMS OF THIS PROTEIN ARE  
CC PRODUCED BY ALTERNATIVE SPLICING WHICH DIFFER IN TISSUE  
CC DISTRIBUTION. DIFFERENT SIZE TRANSCRIPTS MAY ALSO EXIST WITHIN ANY  
CC ONE TISSUE.  
CC -!- TISSUE SPECIFICITY: MUSCLE-SPECIFIC.  
CC -!- SIMILARITY: TO THE CATALYTIC DOMAINS OF OTHER SERINE/THREONINE  
CC KINASES.  
CC -!- SIMILARITY: BELONGS TO IMMUNOGLOBULIN SUPERFAMILY. CONTAINS 90  
CC IMMUNOGLOBULIN C2-LIKE DOMAINS.  
DR EMBL; X90569; CAA62189.1; -.  
DR HSSP; P56276; ITLK.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR004168; PPAK\_motif.  
DR Pfam; PF00047; Ig; 59.  
DR Pfam; PF02818; PPAK; 53.  
DR SMART; SM00408; IGC2; 43.  
DR SMART; SM00410; IG\_Like; 15.  
KW Muscle protein; Cytoskeleton; Structural protein; Phosphorylation;  
KW Serine/threonine-protein kinase; Alternative splicing; Repeat;  
KW Immunoglobulin domain.  
FT NON\_TER 1  
FT DOMAIN 5618 7792 GLU/LYS/PRO/VAL-RICH.  
FT NON\_TER 7962 7962  
SQ SEQUENCE 7962 AA; 883018 MW; B85240533CBADE58 CRC64;

Query Match 100.0%; Score 31; DB 4; Length 7962;  
Best Local Similarity 45.5%; Pred. No. 1.8e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXX 11  
DB 6605 BEVVPVIVKV 6615

RESULT 175  
Q9NFS3 PRELIMINARY; PRT; 16215 AA.  
AC Q9NFS3;  
DT 01-OCT-2000 (TREMBLrel. 15, Created)  
DT 01-OCT-2000 (TREMBLrel. 15, Last sequence update)  
DE 01-JUN-2002 (TREMBLrel. 21, Last annotation update)  
DE D-titin.  
GN SLS OR D-TITIN OR CG1915.  
OS *Drosophila melanogaster* (Fruit fly).  
OC Eukaryota; Metazoa; Arthropoda; Tracheata; Hexapoda; Insecta;  
OC Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;  
OC Ephydroidea; Drosophilidae; Drosophila.  
OX NCBI\_TaxID=7227;  
RN [1]  
RP SEQUENCE FROM N.A.  
RA Zhang Y.O., Broadie K.S.;  
RT "Characterization of *Drosophila* D-Titin gene.";  
RL Submitted (FEB-2000) to the EMBL/GenBank/DBJ databases.  
CC -!- SIMILARITY: CONTAINS 1 SH3 DOMAIN.  
DR EMBL; AJ271740; CAB93524.1; -.  
DR HSSP; P56276; ITLK.  
DR Flybase; FBgn0003432; sls.  
DR InterPro; IPR002106; AATRNA\_ligaseII.  
DR InterPro; IPR003961; FN.III.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003600; Ig\_Like.  
DR InterPro; IPR003600; Ig\_Like.  
DR Pfam; PF00041; fn3; 5.  
DR Pfam; PF00047; Ig; 50.  
DR Pfam; PF00018; SH3; 1.  
DR SMART; SM00408; IGC2; 15.  
DR SMART; SM00410; IG\_Like; 34.  
DR SMART; SM00326; SH3; 1.

DR PROSITE; PS00179; AA\_TRNA\_LIGASE\_II\_1; UNKNOWN\_1.  
DR PROSITE; PS00002; SH3; 1.  
KW Immunoglobulin domain; SH3 domain.  
SQ SEQUENCE 16215 AA; 1841509 MW; 242C8765E00F7603 CRC64;

Query Match 100.0%; Score 31; DB 5; Length 16215;  
Best Local Similarity 45.5%; Pred. No. 3.7e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:||||:  
Db 6365 EEVVPTEETPE 6375

## RESULT 176

Q8WZ42 Q8WZ42 PRELIMINARY; PRT; 34350 AA.  
AC Q8WZ42;  
DT 01-MAR-2002 (TrEMBLrel. 20, Created)  
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)  
DT 01-JUN-2002 (TrEMBLrel. 21, Last annotation update)  
DE Titin.  
GN TTN.  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
OX NCBI\_TaxID=9606;  
[1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=20309627; Pubmed=10850961;  
RA Freiburg A., Trombitas K., Hell W., Cazorla O., Fougereousse F.,  
RA Centner T., Kolmerer B., Witt C., Beckmann J.S., Gregorio C.C.,  
RA Granzier H., Labeit S.;  
RA Labeit S.;  
RT "The complete gene sequence of titin, expression of an unusual ~700  
RT kDa titin isoform and its interaction with obscurin identify a novel  
RT Z-line to I-band linking system.";  
RL Circ. Res. 89:1065-1072(2001).  
DR EMBL; AJ277892; CAD12456.1; -.  
DR InterPro; IPR000282; Cytok\_receptor\_2.  
DR InterPro; IPR000719; Euk\_pkinase.  
DR InterPro; IPR000577; FGGY\_kin.  
DR InterPro; IPR003961; FN\_III.  
DR InterPro; IPR001092; HLH\_basic.  
DR InterPro; IPR003599; Ig.  
DR InterPro; IPR003598; Ig\_c2.  
DR InterPro; IPR003006; Ig\_MHC.  
DR InterPro; IPR003596; Ig\_v.  
DR InterPro; IPR002016; Peroxidase.  
DR InterPro; IPR004168; PPAK\_motif.  
DR InterPro; IPR002290; Ser\_chr\_pkinase.  
DR InterPro; IPR001245; Tyr\_pkinase.  
DR Pfam; PF00041; fn3; 132.  
DR Pfam; PF00047; Ig; 146.  
DR Pfam; PF00069; pkinase; 1.  
DR Pfam; PF02818; PPAK; 53.  
DR ProDom; PD000001; Euk\_pkinase; 1.  
DR SMART; SM00060; FN3; 133.  
DR SMART; SM00409; IG; 167.  
DR SMART; SM00408; IGC2; 148.  
DR SMART; SM00406; IGv; 23.  
DR SMART; SM00220; S\_TKC; 1.  
DR SMART; SM00219; TyKc; 1.  
DR PROSITE; PS00933; FGGY\_KINASES\_1; UNKNOWN\_1.  
DR PROSITE; PS00038; HELIX\_LOOP\_HELIX; UNKNOWN\_1.

DR PROSITE; PS00290; IG\_MHC; UNKNOWN\_1.  
DR PROSITE; PS00435; PEROXIDASE\_1; UNKNOWN\_1.  
DR PROSITE; PS00011; PROTEIN\_KINASE\_DOM; 1.  
DR PROSITE; PS00109; PROTEIN\_KINASE\_TYR; UNKNOWN\_1.  
SQ SEQUENCE 34350 AA; 3816262 MW; 5B1120058A7CE58A CRC64;

Query Match 100.0%; Score 31; DB 4; Length 34350;  
Best Local Similarity 45.5%; Pred. No. 7.8e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:||||:  
Db 10867 EEVVPVIPKV 10877

Search completed: May 29, 2003, 16:58:25  
Job time : 31 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:44 ; Search time 39 Seconds  
(without alignments)  
27.115 Million cell updates/sec

Title: AUDET-909164-5

Perfect score: 31

Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX

Gapop 10.0 , Gapext 0.5

Searched: 283224 seqs, 96134422 residues

Total number of hits satisfying chosen parameters: 101

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 600 summaries

Database : PIR\_73:\*

1: pir1:\*

2: pir2:\*

3: pir3:\*

4: pir4:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match %	Length DB ID	Description
1	31	100.0	84 2 E82510	hypothetical prote
2	31	100.0	97 2 T23342	hypothetical prote
3	31	100.0	108 2 E90502	hypothetical prote
4	31	100.0	111 2 B87071	conserved hypotet
5	31	100.0	115 2 S73268	photosystem II pro
6	31	100.0	123 2 F95331	Trmla transposase
7	31	100.0	130 2 S37715	hypothetical prote
8	31	100.0	130 2 H95993	transposase of ins
9	31	100.0	130 2 A95291	Trmla transposase
10	31	100.0	130 2 A95372	conserved hypotet
11	31	100.0	134 2 C75352	probable transposa
12	31	100.0	138 2 B95934	hypothetical prote
13	31	100.0	150 2 S72852	protein sprt - Esc
14	31	100.0	165 1 G65079	hypothetical prote
15	31	100.0	165 2 D91106	hypothetical prote
16	31	100.0	165 2 G85951	hypothetical prote
17	31	100.0	185 2 B95019	flavoprotein [impo
18	31	100.0	188 2 G70442	ribosomal protein
19	31	100.0	198 2 S07130	casein B precursor
20	31	100.0	240 1 Q0BEG3	HMLF4 protein - hu
21	31	100.0	240 2 B82833	conserved hypotet
22	31	100.0	250 2 G75217	glycerophosphidies
23	31	100.0	273 2 H69337	conserved hypotet
24	31	100.0	274 2 E70472	ribosomal protein
25	31	100.0	281 2 AC2095	hypothetical prote
26	31	100.0	299 2 AI3184	transcription regu
27	31	100.0	303 2 T42703	hypothetical prote
28	31	100.0	304 2 G83820	GTP-binding protei
29	31	100.0	306 1 OWSEAC	aspartate carbamoy

30	31	100.0	307 2 C69322	hypothetical prote
31	31	100.0	310 2 T48882	aspartate carbamoy
32	31	100.0	311 2 AD0436	aspartate carbamoy
33	31	100.0	316 2 H75421	acetyl-CoA carboxy
34	31	100.0	318 2 S17197	nitrate reductase
35	31	100.0	319 2 S03833	hypothetical prote
36	31	100.0	325 2 F86321	F6A14.12 protein -
37	31	100.0	335 1 A39862	protein-tyrosine-p
38	31	100.0	337 2 G84590	probable heat choc
39	31	100.0	343 2 A33057	retinal-binding pr
40	31	100.0	348 2 T04618	heat shock protein
41	31	100.0	356 2 B70424	lipid A disacchari
42	31	100.0	363 2 G95237	conserved hypotet
43	31	100.0	363 2 H98101	conserved hypotet
44	31	100.0	367 2 T36116	probable oxidoredu
45	31	100.0	380 2 JC5747	coronafacic acid s
46	31	100.0	384 2 T05399	hypothetical prote
47	31	100.0	390 2 T16782	hypothetical prote
48	31	100.0	393 2 B83841	phosphopentomutase
49	31	100.0	394 2 B69619	phosphodeoxyribomu
50	31	100.0	399 2 S36719	FUN33 protein - ye
51	31	100.0	401 1 A31266	alkane 1-monooxyge
52	31	100.0	407 2 G89955	hypothetical prote
53	31	100.0	411 2 B82682	succinylornithine
54	31	100.0	414 2 T44714	hypothetical prote
55	31	100.0	414 2 F70778	hypothetical prote
56	31	100.0	419 2 G75062	probable flagella-
57	31	100.0	423 2 JC7823	elongation factor
58	31	100.0	425 2 S53004	mitosis-specific C
59	31	100.0	431 2 H71172	hypothetical prote
60	31	100.0	435 2 S77156	processing proteini
61	31	100.0	452 2 G64844	probable membrane
62	31	100.0	452 2 G90787	hypothetical prote
63	31	100.0	452 2 G85647	hypothetical prote
64	31	100.0	478 2 G75530	probable Anp-depen
65	31	100.0	478 2 T12818	hypothetical prote
66	31	100.0	486 1 A35667	Ty transcription a
67	31	100.0	511 2 E75561	probable phytoene
68	31	100.0	544 2 C82900	probable ABC subst
69	31	100.0	558 2 B88500	protein K04G7.1 (I
70	31	100.0	572 1 S28762	gene Dbp73D protei
71	31	100.0	581 2 T23096	gaq polypeptide -
72	31	100.0	596 2 T04506	hypothetical prote
73	31	100.0	622 2 S15009	hypothetical prote
74	31	100.0	653 2 D82352	iron(III) ABC tran
75	31	100.0	688 2 T23108	hypothetical prote
76	31	100.0	716 1 JC5061	macrophage-stimula
77	31	100.0	718 2 T23448	hypothetical prote
78	31	100.0	730 2 S37384	catalase (EC 1.11.
79	31	100.0	739 2 A55314	glycine-tRNA ligas
80	31	100.0	822 2 T41622	probable ABC trans
81	31	100.0	828 2 T41358	hypothetical prote
82	31	100.0	840 2 S48975	hypothetical prote
83	31	100.0	877 2 S73541	nitrate reductase
84	31	100.0	891 2 AC3384	ribonuclease E / z
85	31	100.0	944 2 S01909	hairy wing supplie
86	31	100.0	953 2 T08961	hypothetical prote
87	31	100.0	967 2 D72308	conserved hypotet
88	31	100.0	1055 2 T31111	ATPase 1 (EC 3.6.1
89	31	100.0	1076 2 T40141	phosphatidylinosit
90	31	100.0	1082 2 T31112	ATPase 2 (EC 3.6.1
91	31	100.0	1084 2 T33759	hypothetical prote
92	31	100.0	1146 2 H96796	aggregation protei
93	31	100.0	1306 2 S22624	probable xanthine
94	31	100.0	1364 2 T51920	two-component sens
95	31	100.0	1749 2 AB1960	probable excinucle
96	31	100.0	1786 1 H71527	gene 11-1 protein
97	31	100.0	1948 2 S00485	dynein alpha heavy
98	31	100.0	2405 2 T08164	genome polyprotein
99	31	100.0	3066 1 JQ1661	genome polyprotein
100	31	100.0	3066 1 JQ1662	genome polyprotein
101	31	100.0	7962 2 I38346	elastic titin - hu

## ALIGNMENTS

```

RESULT 1
E82510
hypothetical protein VCA0028 [imported] - Vibrio cholerae (strain N16961 serogroup O1)
C:Species: Vibrio cholerae
C>Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 02-Feb-2001
C:Accession: E82510
R:Heidelberger, J.F.; Eisen, J.A.; Neilson, W.C.; Clayton, R.A.; Gwinn, M.L.; Dodson, R.J.;
Chardson, D.; Ermolaeva, M.D.; Vamathevan, J.; Bass, S.; Qin, H.; Dragoi, I.; Sellers, P.
I., R.R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.
Nature 406, 477-483, 2000
A:Title: DNA Sequence of both chromosomes of the cholera pathogen Vibrio cholerae.
A:Reference number: A82035; MUID:20406833; PMID:10952301
A:Accession: E82510
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-84 <HEI>
A:Cross-references: GB:AE004346; GB:AE003853; NID:g9657401; PIDN:AAF95942.1; GSPDB:GN001
A:Experimental source: serogroup O1; strain N16961; biotype El Tor
C:Genetics:
A:Gene: VCA0028
A:Map position: 2

Query Match
Best Local Similarity 100.0%; Score 31; DB 2; Length 84;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 42 EEVVPYPPREW 52
|||||:|||||

RESULT 2
T25342
hypothetical protein T27A8.4 - Caenorhabditis elegans
C:Species: Caenorhabditis elegans
C>Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 18-Feb-2000
C:Accession: T25342
R:Gardner, A.
Submitted to the EMBL Data Library, November 1995
A:Reference number: Z20019
A:Accession: T25342
A:Status: preliminary; translated from GB/EMBL/DBDJ
A:Molecule type: DNA
A:Residues: 1-97 <WIL>
A:Cross-references: EMBL:Z68134; PIDN:CAA92225.1; GSPDB:GN000028; CESP:T27A8.4
A:Experimental source: clone T27A8
C:Genetics:
A:Gene: CESP:T27A8.4
A:Map position: X
A:Introns: 19/1; 39/1

Query Match
Best Local Similarity 100.0%; Score 31; DB 2; Length 97;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 23 EEVVPGETSG 33
|||||:|||||

RESULT 3
E90502
hypothetical protein SS03178 [imported] - Sulfolobus solfataricus
C:Species: Sulfolobus solfataricus
C>Date: 24-May-2001 #sequence_revision 24-May-2001 #text_change 24-May-2001
C:Accession: E90502
R:She, Q.; Singh, R.K.; Confalonieri, F.; Zivanovic, Y.; Allard, G.; Awayez, M.J.; Chan-
Jong, I.; Jeffries, A.C.; Kozera, C.J.; Medina, N.; Peng, X.; Thi-Ngoc, H.P.; Redder, H.
arrett, R.A.; Ragan, M.A.; Sensen, C.W.; Van der Oost, J.

Submitted to GenBank, April 2001
A:Description: Sulfolobus solfataricus complete genome.
A:Reference number: A99139
A:Accession: E90502
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-108 <KUR>
A:Cross-references: GB:AE006641; NID:gl3816611; PIDN:AAK43276.1; GSPDB:GN00155
C:Genetics:
A:Gene: SS03178

Query Match
Best Local Similarity 100.0%; Score 31; DB 2; Length 108;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 54 EEVVPDEICR 64
|||||:|||||

RESULT 4
B87071
conserved hypothetical protein ML1296 [imported] - Mycobacterium leprae
C:Species: Mycobacterium leprae
C>Date: 20-Apr-2001 #sequence_revision 20-Apr-2001 #text_change 20-Apr-2001
C:Accession: B87071
R:Coile, S.T.; Eiglmeier, K.; Parkhill, J.; James, K.D.; Thomson, N.R.; Wheeler, P.R.;
R.; Davies, R.M.; Devlin, K.; Duthoy, S.; Feltwell, T.; Fraser, A.; Hamlin, N.; Holm-
eam, M.A.; Rutherford, K.M.
Nature 409, 1007-1011, 2001
A:Authors: Rutter, S.; Seeger, K.; Simon, S.; Simmonds, M.; Skelton, J.; Squares, R.;
A:Title: Massive gene decay in the leprosy bacillus.
A:Reference number: A86909; MUID:21128732; PMID:11234002
A:Accession: B87071
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-111 <STO>
A:Cross-references: GB:AL450380; NID:gl3093218; PIDN:CAC31677.1; GSPDB:GN00147
C:Genetics:
A:Gene: ML1296

Query Match
Best Local Similarity 100.0%; Score 31; DB 2; Length 111;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 74 EEVVPRAIRGL 84
|||||:|||||

RESULT 5
S73268
photosystem II protein W - red alga (Porphyra purpurea) chloroplast
C:Species: chloroplast porphyra purpurea
C>Date: 19-Mar-1997 #sequence_revision 09-May-1997 #text_change 08-Oct-1999
C:Accession: S73268
R:Reith, M.; Munholland, J.
Plant Mol. Biol. Rep. 13, 333-335, 1995
A:Title: Complete nucleotide sequence of the Porphyra purpurea chloroplast genome.
A:Reference number: S73108
A:Accession: S73268
A:Status: preliminary; nucleic acid sequence not shown; translation not shown
A:Molecule type: DNA
A:Residues: 1-115 <REI>
A:Cross-references: EMBL:U38804; NID:gl276652; PIDN:AAC08233.1; PID:gl276813
A:Note: the nucleotide sequence was submitted to the EMBL Data Library, October 1995
C:Genetics:
A:Gene: psbW
A:Genome: chloroplast
C:Keywords: chloroplast; membrane-associated complex; photosynthesis; photosystem II;

Query Match
Best Local Similarity 100.0%; Score 31; DB 2; Length 115;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 12 EEVVPDVLRLR 22

## RESULT 6

TRmla transposase [imported] - Sinorhizobium meliloti (strain 1021) megaplasmid pSymA  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: F95331  
R:Barnett, M.J.; Fisher, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, F.; Bows  
.; Kalman, S.; Keating, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Yeh, K.C.  
Proc. Natl. Acad. Sci. U.S.A. 98, 9883-9888, 2001  
A:Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium meliloti  
A:Reference number: A95262; MUID:21396509; PMID:11481432  
A:Accession: F95331  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-123 <KUR>  
A:Cross-references: GB:AR006469; PIDN:AAK65216.1; PID:g14523664; GSPDB:GN00165  
A:Experimental source: strain 1021, megaplasmid pSymA  
R:Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubler,  
pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.;  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure,  
hebaullt, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh, K.  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: Trmla; Smb20918  
A:Genome: plasmid  
A:Gene: Sma1030  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical protein

Query Match 100.0%; Score 31; DB 2; Length 123;

Best Local Similarity 45.5%; Pred. No. 91;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 65 EEVVPASEYRA 75

## RESULT 7

hypothetical protein 1 - Rhizobium meliloti insertion sequence ISRM1  
C:Species: Rhizobium meliloti  
C:Date: 19-Mar-1997 #sequence\_revision 25-Apr-1997 #text\_change 29-Sep-1999  
C:Accession: S37715  
R:Watson, R.J.; Wheatcroft, R.  
DNA Seq. 2, 163-172, 1991  
A:Title: Nucleotide sequence of Rhizobium meliloti insertion sequence ISRM1: homology to  
A:Reference number: S37713; MUID:92297960; PMID:1667984  
A:Accession: S37715  
A:Molecule type: DNA  
A:Residues: 1-130 <WAT>  
A:Cross-references: EMBL:X56563; NID:g48795; PIDN:CAA39914.1; PID:g48796  
A:Experimental source: strain 4D3; plasmid pWRml; insertion sequence ISRM1  
C:Genetics:  
A:Mobile element: insertion sequence ISRM1  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical protein

Query Match 100.0%; Score 31; DB 2; Length 130;

Best Local Similarity 45.5%; Pred. No. 97;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 72 EEVVPASEYRA 82

## RESULT 8

H95993  
transposase of insertion sequence ISRml orfA protein [imported] - Sinorhizobium meli  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: H95993  
R:Finan, T.M.; Weidner, S.; Wong, K.; Buhrmester, J.; Chain, P.; Vorholter, F.J.; He  
Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001  
A:Title: The complete sequence of the 1,683-Kb pSymB megaplasmid from the N2-fixing  
A:Reference number: A95842; MUID:21396508; PMID:11481431  
A:Accession: H95993  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-130 <KUR>  
A:Cross-references: GB:AL591985; PIDN:CAC49616.1; PID:g15141103; GSPDB:GN00167  
A:Experimental source: strain 1021, megaplasmid pSymB  
R:Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hu  
pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, P  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lela  
hebaullt, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh,  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: Trmla; Smb20918  
A:Genome: plasmid  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical pro

Query Match 100.0%; Score 31; DB 2; Length 130;

Best Local Similarity 45.5%; Pred. No. 97;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 72 EEVVPASEYRA 82

## RESULT 9

TRmla transposase [imported] - Sinorhizobium meliloti (strain 1021) megaplasmid pSym  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: A95291  
R:Barnett, M.J.; Fisher, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, F.;  
.; Kalman, S.; Keating, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Yeh,  
Proc. Natl. Acad. Sci. U.S.A. 98, 9883-9888, 2001  
A:Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium me  
A:Reference number: A95262; MUID:21396509; PMID:11481432  
A:Accession: A95291  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-130 <KUR>  
A:Cross-references: GB:AE006469; PIDN:AAK64891.1; PID:g14523309; GSPDB:GN00165  
A:Experimental source: strain 1021, megaplasmid pSymA  
R:Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hu  
pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher,  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lela  
hebaullt, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh,  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: Sma0445  
A:Genome: plasmid  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical pro

Query Match 100.0%; Score 31; DB 2; Length 130;

Best Local Similarity 45.5%; Pred. NO. 97;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 72 EEVVPASEYRA 82

## RESULT 10

A53372  
tmRNA transposase [imported] - Sinorhizobium meliloti (strain 1021) magaplasamid pSymA  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: A95372  
R:Barrett, M.J.; Fisher, R.F.; Jones, T.; Komp, C.; Abola, A.P.; Barloy-Hubler, F.; Bows  
; Kalman, S.; Keating, D.H.; Palm, C.; Peck, M.C.; Surzycki, R.; Wells, D.H.; Yeh, K.C.  
Proc. Natl. Acad. Sci. U.S.A. 98, 9883-9888, 2001  
A:Title: Nucleotide sequence and predicted functions of the entire Sinorhizobium meliloti  
A:Reference number: A95262; MUID:21396509; PMID:11481432  
A:Accession: A95372  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-130 <KUR>  
A:Cross-references: GB:AF006469; PIDN:AAK65539.1; PID:gl4524015; GSPDB:GN00165  
A:Experimental source: strain 1021, megaplasamid pSymA  
R:Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubler,  
Pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.;  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure,  
hebaull, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh, K.  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: Smal615  
A:Genome: plasmid  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical prote

Query Match 100.0%; Score 31; DB 2; Length 130;  
Best Local Similarity 45.5%; Pred. NO. 97;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 72 EEVVPASEYRA 82

## RESULT 11

C73352  
conserved hypothetical protein - Deinococcus radiodurans (strain R1)  
C:Species: Deinococcus radiodurans  
C:Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 17-Mar-2000  
C:Accession: C75352  
R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;  
; M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma  
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.  
Science 286, 1571-1577, 1999  
A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.  
A:Reference number: A75250; MUID:20036896; PMID:10567266  
A:Accession: C75352  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-134 <WHI>  
A:Cross-references: GB:AE002021; GB:AE000513; NID:g6459573; PIDN:AAF11359.1; PID:g645958  
A:Experimental source: strain R1  
C:Genetics:  
A:Gene: DR1807  
A:Map position: 1

Query Match 100.0%; Score 31; DB 2; Length 134;  
Best Local Similarity 45.5%; Pred. NO. 1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 89 EEVVPVLTLEHL 99

## RESULT 12

B95934  
probable transposase of insertion sequence ISKml orfa protein [imported] - Sinorhizob  
C:Species: Sinorhizobium meliloti  
C:Date: 24-Aug-2001 #sequence\_revision 24-Aug-2001 #text\_change 30-Sep-2001  
C:Accession: B95934  
R:Finan, T.M.; Weidner, S.; Wong, K.; Buhrmester, J.; Chain, P.; Vorholter, F.J.; Her  
Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001  
A:Title: The complete sequence of the 1,683-kb pSymB megaplasamid from the N2-fixing e  
A:Reference number: A95842; MUID:21396508; PMID:11481431  
A:Accession: B95934  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-138 <KUR>  
A:Cross-references: GB:AL591985; PIDN:CAC49138.1; PID:gl5140623; GSPDB:GN00167  
A:Experimental source: strain 1021, megaplasamid pSymB  
R:Galibert, F.; Finan, T.M.; Long, S.R.; Puhler, A.; Abola, P.; Ampe, F.; Barloy-Hubl  
Pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.  
L.; Hyman, R.W.; Jones, T.  
Science 293, 668-672, 2001  
A:Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lela  
hebaull, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh,  
A:Title: The composite genome of the legume symbiont Sinorhizobium meliloti.  
A:Reference number: A96039; MUID:21368234; PMID:11474104  
A:Contents: annotation  
C:Genetics:  
A:Gene: TRmla; SMB21234  
A:Genome: plasmid  
C:Superfamily: Agrobacterium tumefaciens insertion sequence IS1312 hypothetical prote

Query Match 100.0%; Score 31; DB 2; Length 138;  
Best Local Similarity 45.5%; Pred. NO. 1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 80 EEVVPASEYRA 90

## RESULT 13

S72852  
hypothetical protein B2126\_C2.188 - Mycobacterium leprae  
C:Species: Mycobacterium leprae  
C:Date: 19-Mar-1997 #sequence\_revision 25-Apr-1997 #text\_change 23-Mar-2001  
C:Accession: S72852  
R:Smith, D.R.; Robinson, K.  
submitted to the EMBL Data Library, November 1993  
A:Description: Mycobacterium leprae cosmid B2126.  
A:Reference number: S72585  
A:Accession: S72852  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-150 <SMI>  
A:Cross-references: EMBL:U00017; NID:g466994; PIDN:AAA17192.1; #ID:g467007  
C:Genetics:  
A:Start codon: GTG

Query Match 100.0%; Score 31; DB 2; Length 150;  
Best Local Similarity 45.5%; Pred. NO. 1.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 113 EEVVPRAIRGL 123

## RESULT 14

G65079

protein sprT - Escherichia coli (strain K-12)  
C:Species: Escherichia coli  
C:Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 01-Mar-2002  
C:Accession: G65079  
R:Blattner, F.R.; Plunkett III, G.; Bloch, C.A.; Perna, N.T.; Burland, V.; Riley, M.; Cohen, A.; Rose, D.J.; Mau, B.; Shao, Y.  
Science 277, 1453-1462, 1997  
A:Title: The complete genome sequence of Escherichia coli K-12.  
A:Reference number: A64720; MUID:97426617; PMID:9278503  
A:Accession: G65079  
A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
A:Molecule type: DNA  
A:Residues: 1-165 <BLAT>  
A:Cross-references: GB:AE000377; GB:U00096; NID:g2367178; PIDN:AACT5981.1; PID:g1789313;  
A:Experimental source: strain K-12, substrain MG1655  
C:Genetics:  
A:Gene: sprT  
C:Superfamily: hypothetical protein H1173

Query Match 100.0%; Score 31; DB 1; Length 165;  
Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 73 EEVVPHELAHL 83

RESULT 15

D91106  
hypothetical protein ECs3820 [imported] - Escherichia coli (strain O157:H7, substrain R1)  
C:Species: Escherichia coli  
C:Date: 18-Jul-2001 #sequence\_revision 18-Jul-2001 #text\_change 03-Aug-2001  
C:Accession: D91106  
R:Hayashi, T.; Makino, K.; Kurokawa, K.; Ishii, K.; Yokoyama, K.; Han, C.G.; Gasavara, N.; Yasunaga, T.; Kuhara, S.; Shiba, T.; Hattori, M.; Shinagawa, H.  
DNA Res. 8, 11-22, 2001  
A:Title: Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and genomic islands.  
A:Reference number: A99629; MUID:21156231; PMID:11258796  
A:Accession: D91106  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-165 <HAY>  
A:Cross-references: GB:BA000007; PIDN:BA837243.1; PID:g13363292; GSPDB:GN00154  
A:Experimental source: strain O157:H7, substrain R1MD 050952  
C:Genetics:  
A:Gene: ECs3820  
C:Superfamily: hypothetical protein H1173

Query Match 100.0%; Score 31; DB 2; Length 165;  
Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 73 EEVVPHELAHL 83

RESULT 16

G85951  
hypothetical protein sprT [imported] - Escherichia coli (strain O157:H7, substrain EDL93)  
C:Species: Escherichia coli  
C:Date: 16-Feb-2001 #sequence\_revision 16-Feb-2001 #text\_change 14-Sep-2001  
C:Accession: G85951  
R:Perna, N.T.; Plunkett III, G.; Burland, V.; Mau, B.; Glasner, J.D.; Rose, D.J.; Mayhew, M.W.; Miller, L.; Grotbeck, E.J.; Davis, N.W.; Lim, A.; Dimalanta, E.; Potamousis, K.; Apodaca, Nature 409, 529-533, 2001  
A:Title: Genome sequence of enterohemorrhagic Escherichia coli O157:H7.  
A:Reference number: A85480; MUID:21074935; PMID:11206551  
A:Accession: G85951  
A:Status: preliminary  
A:Molecule type: DNA

A:Residues: 1-165 &lt;STO&gt;

A:Cross-references: GB:AE005174; NID:g12517490; PIDN:AAG58075.1; GSPDB:GN00145; UWG:  
A:Experimental source: strain O157:H7, substrain EDL933  
C:Genetics:  
A:Gene: sprT  
C:Superfamily: hypothetical protein H1173

Query Match 100.0%; Score 31; DB 2; Length 165;  
Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 73 EEVVPHELAHL 83

RESULT 17

B95019  
flavoprotein [imported] - Streptococcus pneumoniae (strain TIGR4)  
C:Species: Streptococcus pneumoniae  
C:Date: 03-Aug-2001 #sequence\_revision 03-Aug-2001 #text\_change 03-Aug-2001  
C:Accession: B95019  
R:Rettlein, H.; Nelson, K.E.; Paulsen, I.T.; Eisen, J.A.; Read, T.D.; Peterson, S.; Olson, J.D.; Umayam, L.A.; White, O.; Salzberg, S.L.; Lewis, M.R.; Radune, D.; Holtzapfel, T.; Hickey, E.K.; Holt, I.E.  
Science 293, 498-506, 2001  
A:Authors: Loftus, B.J.; Yang, F.; Smith, H.O.; Venter, J.C.; Dougherty, B.A.; Morrison, J.; et al.  
A:Title: Complete genome sequence of a virulent isolate of Streptococcus pneumoniae.  
A:Reference number: A95000; MUID:21357209; PMID:11463916  
A:Accession: B95019  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-185 <KUR>  
A:Cross-references: GB:AE005672; PIDN:AAK74347.1; PID:g14971632; GSPDB:GN00164; TIGR:  
A:Experimental source: strain TIGR4  
C:Genetics:  
A:Gene: SP0165

Query Match 100.0%; Score 31; DB 2; Length 185;  
Best Local Similarity 45.5%; Pred. No. 1.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 63 EEVVPHEFLPY 73

RESULT 18

G70442  
ribosomal protein L5 - Aquifex aeolicus  
C:Species: Aquifex aeolicus  
C:Date: 08-May-1998 #sequence\_revision 08-May-1998 #text\_change 13-Aug-1999  
C:Accession: G70442  
R:Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; V.  
Nature 392, 353-358, 1998  
A:Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus.  
A:Reference number: A70300; MUID:98196666; PMID:9537320  
A:Accession: G70442  
A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
A:Molecule type: DNA  
A:Residues: 1-188 <AQF>  
A:Cross-references: GB:AE000749; NID:g2983975; PIDN:AACT529.1; PID:g2983983; GB:AE000749  
A:Experimental source: strain VF5  
C:Genetics:  
A:Gene: rplE  
C:Superfamily: Escherichia coli ribosomal protein L5

Query Match 100.0%; Score 31; DB 2; Length 188;  
Best Local Similarity 45.5%; Pred. No. 1.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

```

Db      18 EEVVPILQKKF 28
|||||:|||||
RESULT 19
S07130
casein B precursor - guinea pig
C:Species: Cavia porcellus (guinea pig)
C>Date: 29-Jan-1993 #sequence_revision 29-Jan-1993 #text_change 13-Aug-1999
C:Accession: S07130; #sequence_revision 29-Jan-1993 #text_change 13-Aug-1999
R:Hall, L.; Laird, J.E.; Craig, R.K.
Biochem. J. 222, 561-570, 1984
A:Title: Nucleotide sequence determination of guinea-pig casein B mRNA reveals homology
A:Reference number: S07130; MUID:85022410; PMID:6548375
A:Accession: S07130
A:Molecule type: mRNA
A:Residues: 1-198 <HAL1>
A:Cross-references: EMBL:X00938; NID:g49574; PIDN:CAA25452.1; PID:g757817
A:Accession: S27101
A:Molecule type: protein
A:Residues: 16-31 <HAL2>
C:Superfamily: alpha-s1-casein
C:Keywords: milk; phosphoprotein
F:1-15/Domain: signal sequence #status predicted <SIG>
F:16-198/Product: casein B #status experimental <VAR>

Query Match      100.0%; Score 31; DB 2; Length 198;
Best Local Similarity 45.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXXX 11
|||||:|||||
Db      86 EEVVPKNTQEQ 96
|||||:|||||

RESULT 20
Q08EG3
HMLF4 protein - human cytomegalovirus (strain AD169)
N:Alternate names: probable transmembrane protein US19
C:Species: human cytomegalovirus, human herpesvirus 5
C>Date: 30-Sep-1989 #sequence_revision 30-Sep-1989 #text_change 28-Jul-2000
C:Accession: C27231; S09933; B45678
R:Weston, K.; Barrell, B.G.
J. Mol. Biol. 192, 177-208, 1986
A:Title: Sequence of the short unique region, short repeats, and part of the long repeat
A:Reference number: A92935; MUID:87169717; PMID:3031311
A:Accession: C27231
A:Molecule type: DNA
A:Residues: 1-240 <WES>
A:Cross-references: EMBL:X04650; NID:g59801; PIDN:CAB37111.1; PID:g4456192
A:Experimental source: strain AD169
R:Chee, M.S.; Bankier, A.T.; Beck, S.; Bohni, R.; Brown, C.M.; Cerny, R.; Horsnell, T.;
M.; Barrell, B.G.
Curr. Top. Microbiol. Immunol. 154, 125-169, 1990
A:Title: Analysis of the protein-coding content of the sequence of human cytomegalovirus
A:Reference number: S09749; MUID:90269039; PMID:2161319
A:Accession: S09933
A:Molecule type: DNA
A:Status: nucleic acid sequence not shown; translation not shown
A:Residues: 1-240 <CHE>
A:Cross-references: EMBL:X17403; NID:g59591; PIDN:CAA35286.1; PID:g1780950
A:Experimental source: strain AD169
A:Note: this sequence was submitted to the EMBL Data Library, December 1989
R:Guo, Y.W.; Huang, E.S.
J. Virol. 67, 2043-2054, 1993
A:Title: Characterization of a structurally tricitronic gene of human cytomegalovirus
A:Reference number: A45678; MUID:93188154; PMID:8383226
A:Accession: B45678
A:Molecule type: DNA
A:Residues: 1-240 <GUO>
A:Cross-references: GB:U104998; NID:g291530; PIDN:AAA45990.1; PID:g291532
A:Experimental source: strain Towne
A:Note: sequence extracted from NCBI backbone (NCBIN:126964, NCBIIP:126966)

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C:Genetics:
A:Gene: US19; HMLF4
A:Note: a single genetic locus encodes two major classes of mRNA that share a
open reading frames; this protein is encoded by the middle of the three
C:Superfamily: cytomegalovirus HMLF4 protein

Query Match      100.0%; Score 31; DB 1; Length 240;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXXX 11
|||||:|||||
Db      12 EEVVPYLERLA 22
|||||:|||||

RESULT 21
B82833
conserved hypothetical protein XF0214 [imported] - Xylella fastidiosa (strain 9a5c)
C:Species: Xylella fastidiosa
C>Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 20-Aug-2000
C:Accession: B82833
R:anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide Seq
Nature 406, 151-157, 2000
A:Title: The genome sequence of the plant pathogen Xylella fastidiosa.
A:Reference number: A82515; MUID:20365717; PMID:10910347
A:Note: for a complete list of authors see reference number A59328 below
A:Accession: B82833
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-240 <SIM>
A:Cross-references: GB:AE003875; GB:AE003849; NID:g9105019; PIDN:AAF83027.1; GSPDB:GN
A:Experimental source: strain 9a5c
R:Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga, R.;
Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carrer
as-Neto, E.; Docena, C.; El-Dorry, H.; Facincan, A.P.; Ferreira, A.J.S.
Submitted to GenBank, June 2000
A:Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franca, S.C.; Franco, M.C.; Fr
J.D.; Junqueira, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.; La
Chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Martins
A:Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Miyaki, C.;
F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri,
Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Sa, R.G.; Santelli, R.V.; Sawa
A:Authors: da Silva, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., W.A.; da Silv
M.; Tshukoko, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A.L.
A:Reference number: A59328
A:Contents: annotation
C:Genetics:
A:Gene: XF0214

Query Match      100.0%; Score 31; DB 2; Length 240;
Best Local Similarity 45.5%; Pred. No. 1.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXXX 11
|||||:|||||
Db      144 EEVVPVIGSSI 154
|||||:|||||

RESULT 22
G75217
glycerophosphodiester phosphodiesterase (EC 3.1.4.46) PAB018 - Pyrococcus abyssi (str
C:Species: Pyrococcus abyssi
C>Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 20-Jun-2000
C:Accession: G75217
R:anonymous, Genoscope
Submitted to the EMBL Data Library, July 1999
A:Description: Pyrococcus abyssi genome sequence: insights into archaeal chromosome s
A:Reference number: A75001
A:Accession: G75217
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-250 <KAW>
A:Cross-references: GB:AJ248283; GB:AL096836; NID:g5457433; PIDN:CAB49190.1; PID:g545

```

A:Experimental source: strain Orsay

C:Genetics:

A:Gene: PAB0180

C:Superfamily: glycerophosphodiester phosphodiesterase

C:Keywords: phosphoric diester hydrolase

Query Match 100.0%; Score 31; DB 2; Length 250;

Best Local Similarity 45.5%; Pred. No. 2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|:|:|:|:|

Db 156 EEVVPMPKPK 166

RESULT 23

H69337

conserved hypothetical protein AF0704 - Archaeoglobus fulgidus

C:Species: Archaeoglobus fulgidus

C>Date: 05-Dec-1997 #sequence\_revision 05-Dec-1997 #text\_change 08-Oct-1999

C:Accession: H69337

R:Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson

.; Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, E.F.

Glocke, A.; Zhou, L.; Overbeek, R.; Gocayne, J.D.; Weidman, J.F.; McDonald, L.

Nature 390, 364-370, 1997

A:Authors: Utterback, T.; Cotton, M.D.; Spriggs, T.; Artiaich, P.; Kaine, B.P.; Sykes, S.

Smith, H.O.; Woese, C.R.; Venter, J.C.

A:Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archae

A:Reference number: A69250; MUID:98049343; PMID:9389475

A:Accession: H69337

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-273 <KLE>

A:Cross-references: GB:AE001056; GB:AE000782; NID:q2689379; PIDN:AAB90537.1; PID:q264991

C:Superfamily: Methanococcus jannaschii conserved hypothetical protein MJ1557

Query Match 100.0%; Score 31; DB 2; Length 273;

Best Local Similarity 45.5%; Pred. No. 2.2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|:|:|:|:|

Db 181 EEVVPQLSGQF 191

RESULT 24

E70472

ribosomal protein S02 - Aquifex aeolicus

C:Species: Aquifex aeolicus

C>Date: 08-May-1998 #sequence\_revision 08-May-1998 #text\_change 13-Aug-1999

C:Accession: E70472

R:Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; Ovi

V.

Nature 392, 353-358, 1998

A:Title: The complete genome of the hyperthermophilic bacterium Aquifex aeolicus.

A:Reference number: A70300; MUID:98196666; PMID:9537320

A:Accession: E70472

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-274 <AQF>

A:Cross-references: GB:AE000767; NID:q2984235; PIDN:AAC07767.1; PID:q2984239; GB:AE00065

A:Experimental source: strain VF5

C:Genetics:

A:Gene: rpsB

C:Superfamily: Escherichia coli ribosomal protein S2

Query Match 100.0%; Score 31; DB 2; Length 274;

Best Local Similarity 45.5%; Pred. No. 2.2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|:|:|:|:|

Db 232 EEVVPKRRP 242

RESULT 25

AC2095

hypothetical protein all2314 [imported] - Nostoc sp. (strain PCC 7120)

C:Species: Nostoc sp.

A:Note: Nostoc sp. strain PCC 7120 is a synonym of Anabaena sp. strain PCC 7120

C>Date: 14-Dec-2001 #sequence\_revision 14-Dec-2001 #text\_change 30-Jun-2002

C:Accession: AC2095

R:Kaneko, T.; Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Irig

Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabat

DNA Res. 8, 205-213, 2001

A:Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium

A:Reference number: AB1807; MUID:21595285; PMID:11759840

A:Accession: AC2095

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-281 <KUR>

A:Cross-references: GB:BA000019; PIDN:BA074013.1; PID:g17131406; GSPDB:GN00179

A:Experimental source: strain PCC 7120

C:Genetics:

A:Gene: all2314

Query Match 100.0%; Score 31; DB 2; Length 281;

Best Local Similarity 45.5%; Pred. No. 2.3e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|:|:|:|:|

Db 186 EEVVPGVYTL 196

RESULT 26

AI3184

transcription regulator, LysR family Atu5206 [imported] - Agrobacterium tumefaciens

C:Species: Agrobacterium tumefaciens

C>Date: 11-Jan-2002 #sequence\_revision 11-Jan-2002 #text\_change 01-Feb-2002

C:Accession: AI3184

R:Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; W

erage, G.; Gillet, W.; Grant, C.; Guenther, D.; Kutayavin, T.; Levy, R.; Li, M.; M

Karp, P.; Romero, P.; Zhang, S.

Science 294, 2317-2323, 2001

A:Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-K

ster, E.W.

A:Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens C58.

A:Reference number: AB2577; PMID:11743193

A:Accession: AI3184

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-239 <KUR>

A:Cross-references: GB:AE008687; PIDN:AAL45895.1; PID:g17743640; GSPDB:GN00188

A:Experimental source: strain C58 (Dupont)

C:Genetics:

A:Gene: Atu5206

A:Genome: plasmid

C:Superfamily: conserved hypothetical protein HI1364

Query Match 100.0%; Score 31; DB 2; Length 299;

Best Local Similarity 45.5%; Pred. No. 2.4e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:|:|:|:|:|

Db 257 EEVVPGYSHAG 267

RESULT 27

T42703

hypothetical protein DKFZp334G107.1 - human (fragment)

C:Species: Homo sapiens (man)

C>Date: 11-Jan-2000 #sequence\_revision 11-Jan-2000 #text\_change 11-Jan-2000

C:Accession: T42703

R:Koehler, K.; Beyer, A.; Mewes, H.W.; Gassenhuber, J.; Wiemann, S.

submitted to the Protein Sequence Database, November 1999  
A:Reference number: Z22234  
A:Accession: T42703  
A:Status: preliminary  
A:Molecule type: mRNA  
A:Residues: 1-303 <AAA>  
A:Cross-references: EMBL:AL133029  
A:Experimental source: adult testis; clone DKFzp434G107  
C:Genetics:  
A:Note: DKFzp434G107.1

Query Match 100.0%; Score 31; DB 2; Length 303;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:  
Db 214 EEVVPALPTE 224

## RESULT 28

GTP-binding protein (Era/ThdF family) bex [imported] - Bacillus halodurans (strain C-128)  
C:Species: Bacillus halodurans  
C:Date: 01-Dec-2000 #sequence\_revision 01-Dec-2000 #text\_change 15-Jun-2001  
C:Accession: G83820  
R:Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fujii, F.; Hira  
Nucleic Acids Res. 28, 4317-4331, 2000  
A:Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and  
A:Reference number: A83650; MUID:20512582; PMID:11058132  
A:Accession: G83820  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-304 <STO>  
A:Cross-references: GB:AP001511; GB:BA000004; NID:g10173727; PIDN:BA05086.1; GSPDB:GN00  
A:Experimental source: strain C-125  
C:Genetics:  
A:Gene: bex  
C:Superfamily: ras transforming protein; translation elongation factor Tu homology

Query Match 100.0%; Score 31; DB 2; Length 304;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:  
Db 150 EEVVPVSLQG 160

## RESULT 29

OWSEAC  
aspartate carbamoyltransferase (EC 2.1.3.2) catalytic chain - Serratia marcescens  
N:Alternate names: aspartate transcarbamylase catalytic chain; carbamylaspartotranskinas  
C:Species: Serratia marcescens  
C:Date: 31-Mar-1993 #sequence\_revision 31-Mar-1993 #text\_change 11-Jun-1999  
C:Accession: B34396  
R:Beck, D.; Kedzie, K.M.; Wild, J.R.  
J. Biol. Chem. 264, 16629-16637, 1989  
A:Title: Comparison of the aspartate transcarbamoylases from Serratia marcescens and Esch  
A:Reference number: A34396; MUID:89380286; PMID:2674139  
A:Accession: B34396  
A:Molecule type: DNA  
A:Residues: 1-306 <BEC>  
A:Cross-references: GB:J05033; NID:g398074; PIDN:AAA26564.1; PID:g398075  
C:Comment: The active enzyme contains two trimers of catalytic chains and three dimers C  
C:Genetics:  
A:Gene: pyrB  
C:Superfamily: ornithine carbamoyltransferase; aspartate/ornithine carbamoyltransferase  
C:Keywords: heterododecamer; homohexamer; homotrimer; pyrimidine nucleotide biosynthesis  
F:8-300/Domain: aspartate/ornithine carbamoyltransferase homology <ACT>

Query Match 100.0%; Score 31; DB 1; Length 306;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

QY 1 EEVVPXXXXX 11  
|||||:  
Db 216 EEVVPEDIVLY 226

## RESULT 32

AD0436  
aspartate carbamoyltransferase (EC 2.1.3.2) [imported] - Yersinia pestis (strain CO92

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
|||||:  
Db 215 EEVVPEDIVLY 225

## RESULT 30

C69322  
hypothetical protein AF0579 - Archaeoglobus fulgidus  
C:Species: Archaeoglobus fulgidus  
C:Date: 05-Dec-1997 #sequence\_revision 05-Dec-1997 #text\_change 22-Oct-1999  
C:Accession: C69322

R:Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dod  
Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, E.  
Nature 390, 364-370, 1997  
A:Authors: Utterback, T.; Cotton, M.D.; Spriggs, T.; Artach, P.; Kaine, B.P.; Sykes,  
Smith, H.O.; Woese, C.R.; Venter, J.C.  
A:Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing arch  
A:Reference number: A69250; MUID:98049343; PMID:9389475  
A:Accession: C69322  
A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
A:Molecule type: DNA  
A:Residues: 1-307 <KLE>  
A:Cross-references: GB:AE001064; GB:AE000782; NID:g2689387; PIDN:AAB90662.1; PID:g265

Query Match 100.0%; Score 31; DB 2; Length 307;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:  
Db 39 EEVVPDAVGKY 49

## RESULT 31

T48882  
aspartate carbamoyltransferase (EC 2.1.3.2) catalytic chain [validated] - Vibrio sp.  
N:Alternate names: ATCase catalytic chain  
C:Species: Vibrio sp.  
C:Date: 02-Jun-2000 #sequence\_revision 02-Jun-2000 #text\_change 09-Jun-2000  
C:Accession: T48882  
R:Xu, Y.; Zhang, Y.; Liang, Z.Y.; Van de Casteele, M.; Legrain, C.; Glansdorff, N.  
Microbiology 144, 1435-1441, 1998  
A:Title: Aspartate carbamoyltransferase from a psychrophilic deep-sea bacterium, Vibr  
A:Reference number: Z24845  
A:Accession: T48882  
A:Status: preliminary; translated from GB/EMBL/DBDJ  
A:Molecule type: DNA  
A:Residues: 1-310 <XUY>  
A:Cross-references: EMBL:X09786; PIDN:CAA70923.1  
A:Experimental source: strain 2693  
C:Genetics:  
A:Gene: pyrB  
C:Function:  
A:Description: EC 2.1.3.2 [validated, MUID:98274751]  
A:Note: not activated by ATP; not synergistically inhibited by CTP and UTP  
C:Superfamily: ornithine carbamoyltransferase; aspartate/ornithine carbamoyltransferase  
C:Keywords: transferase

Query Match 100.0%; Score 31; DB 2; Length 310;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:  
Db 216 EEVVPEDIVLY 226



C:Species: Yersinia pestis  
 C:Date: 02-Nov-2001 #sequence\_revision 02-Nov-2001 #text\_change 11-Jan-2002  
 C:Accession: AD0436  
 R:Parkhill, J.; Wren, B.W.; Thomson, N.R.; Titball, R.W.; Holden, M.T.G.; Prentice, M.B.; deno-Tarraga, A.M.; Chillingworth, T.; Cronin, A.; Davies, R.M.; Davis, P.; Dougan, G.; il, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; Whitehead, S.; Barrell, Nature 413, 523-527, 2001  
 A:Title: Genome sequence of Yersinia pestis, the causative agent of plague.  
 A:Reference number: AB0001; MUID:21470413; PMID:11586360  
 A:Accession: AD0436  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-311 <KUR>  
 A:Cross-references: GB:AL590842; PIDN:CAC92816.1; PID:gl5981508; GSPDB:GN00175  
 C:Genetics:  
 C:Superfamily: ornithine carbamoyltransferase; aspartate/ornithine carbamoyltransferase  
 C:Keywords: transferase

Query Match 100.0%; Score 31; DB 2; Length 311;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 217 EEVPELDILY 227

RESULT 33  
 H75421  
 acetyl-CoA carboxylase carboxyl transferase, alpha subunit - Deinococcus radiodurans (sh  
 C:Species: Deinococcus radiodurans  
 C:Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 17-Mar-2000  
 C:Accession: H75421  
 R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.; S.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma Science 286, 1571-1577, 1999  
 A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.  
 A:Reference number: AV5250; MUID:20036896; PMID:10567266  
 A:Accession: H75421  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-316 <WHI>  
 A:Cross-references: GB:AE001970; GB:AE000513; NID:g6458956; PIDN:AAF10787.1; PID:g645895  
 A:Experimental source: Strain R1  
 C:Genetics:  
 A:Gene: DR1214  
 A:Map position: 1  
 C:Superfamily: acetyl-CoA carboxylase, carboxyltransferase alpha chain

Query Match 100.0%; Score 31; DB 2; Length 316;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 259 EEVPEPPGGA 269

RESULT 34  
 S17197  
 nitrate reductase (NADH) (EC 1.7.1.1) - Chlorella vulgaris (fragment)  
 C:Species: Chlorella vulgaris  
 C:Date: 04-Dec-1992 #sequence\_revision 04-Dec-1992 #text\_change 03-Jun-2002  
 C:Accession: S17197  
 R:Cannons, A.C.; Iida, N.; Solomonson, L.P.  
 Biochem. J. 278, 203-209, 1991  
 A:Title: Expression of a cDNA clone encoding the haem-binding domain of Chlorella nitrat  
 A:Reference number: S17197; MUID:91354204; PMID:1883330  
 A:Accession: S17197  
 A:Molecule type: mRNA  
 A:Residues: 1-318 <CAN>

A:Cross-references: EMBL:X56771; NID:q18300; PIDN:CAA40090.1; PID:g930010  
 C:Superfamily: nitrate reductase (NADH); cytochrome b5 core homology; cytochrome-b5  
 C:Keywords: chromoprotein; electron transfer; FAD; flavoprotein; heme; homodimer; ir  
 F;1-162/Domain: molybdenum-binding domain homology (fragment) <PCO>  
 F;216-290/Domain: cytochrome b5 core homology <CB5>  
 F;251-274/Binding site: heme iron (His) (axial ligands) #status predicted

Query Match 100.0%; Score 31; DB 2; Length 318;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 58 EEVVPVLVAGTV 68

RESULT 35  
 S03833  
 hypothetical protein 1 - chestnut blight fungus  
 C:Species: Cryphonectria parasitica, Endothia parasitica (chestnut blight fungus)  
 C:Date: 04-Dec-1992 #sequence\_revision 04-Dec-1992 #text\_change 09-Sep-1997  
 C:Accession: S03833  
 R:Rae, B.P.; Hillman, B.I.; Tartaglia, J.; Nuss, D.L.  
 EMBO J. 8, 657-663, 1989  
 A:Title: Characterization of double-stranded RNA genetic elements associated with bl  
 A:Reference number: S03833; MUID:89251594; PMID:2721496  
 A:Accession: S03833  
 A:Molecule type: DNA  
 A:Residues: 1-319 <RAE>  
 A:Cross-references: EMBL:X14524; NID:g2624; PID:g2625  
 A:Note: the authors translated the codon CAG for residue 156 as Gly

Query Match 100.0%; Score 31; DB 2; Length 319;  
 Best Local Similarity 45.5%; Pred. No. 2.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 31 EEVVPAGCITL 41

RESULT 36  
 F6A14.12 protein - Arabidopsis thaliana  
 C:Species: Arabidopsis thaliana (mouse-ear cress)  
 C:Date: 02-Mar-2001 #sequence\_revision 02-Mar-2001 #text\_change 09-Nov-2001  
 C:Accession: F66321  
 R:Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Al  
 Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Dewar, T.H.; Huizar, L.  
 Nature 408, 816-820, 2000  
 A:Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Ki  
 C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marz  
 Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.  
 A:Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tal  
 ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.  
 A:Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.  
 A:Reference number: AB6141; MUID:21016719; PMID:11130712  
 A:Accession: F66321  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-325 <STO>  
 A:Cross-references: GB:AE005172; NID:g6730707; PIDN:AAF27102.1; GSPDB:GN00141  
 C:Genetics:  
 A:Map position: 1

Query Match 100.0%; Score 31; DB 2; Length 325;  
 Best Local Similarity 45.5%; Pred. No. 2.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 DB 169 EEVVPFYGLPY 179



A:Residues: 1-356 <AQF>  
 A:Cross-references: GB:AE000740; NID:g2983826; PIDN:AA07386.1; PID:g2983831; GB:AE00065  
 A:Experimental source: strain VF5  
 C:Genetics:  
 A:Gene: lpxB  
 C:Superfamily: lipid A disaccharide synthase

Query Match 100.0%; Score 31; DB 2; Length 356;  
 Best Local Similarity 45.5%; Pred. No. 3e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 300 EEVVPFIQKS 310

## RESULT 42

G95237  
 conserved hypothetical protein SP2031 [imported] - Streptococcus pneumoniae (strain TIGR  
 C:Species: Streptococcus pneumoniae  
 C:Date: 03-Aug-2001 #sequence\_revision 03-Aug-2001 #text\_change 03-Aug-2001  
 C:Accession: G95237

R:Retelin, H.; Nelson, K.E.; Paulsen, I.T.; Eisen, J.A.; Read, T.D.; Peterson, S.; Heid  
 on, J.D.; Unayam, L.A.; White, O.; Salzberg, S.L.; Lewis, M.R.; Radune, D.; Holtzapfle,  
 nson, T.; Hickey, E.K.; Holt, I.E.  
 Science 293, 498-506, 2001

A:Authors: Loftus, B.J.; Yang, F.; Smith, H.O.; Venter, J.C.; Dougherty, B.A.; Morrison,  
 A:Title: Complete genome sequence of a virulent isolate of Streptococcus pneumoniae.

A:Reference number: A95000; MUID:21357209; PMID:11463916

A:Accession: G95237

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-363 <KUR>

A:Cross-references: GB:AE005672; PIDN:AAK76096.1; PID:g14973541; GSPDB:GN00164; TIGR:SP4

A:Experimental source: strain TIGR4

C:Genetics:  
 A:Gene: SP2031

Query Match 100.0%; Score 31; DB 2; Length 363;  
 Best Local Similarity 45.5%; Pred. No. 3e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 30 EEVVPFEGFAM 40

## RESULT 43

H98101  
 conserved hypothetical protein spr1842 [imported] - Streptococcus pneumoniae (strain R6)

C:Species: Streptococcus pneumoniae

C:Date: 22-Oct-2001 #sequence\_revision 22-Oct-2001 #text\_change 22-Oct-2001

C:Accession: H98101

R:Hoskins, J.A.; Alborn Jr., W.; Arnold, J.; Blaszcak, L.; Burgett, S.; DeHoff, B.S.; E

y, R.; LeBlanc, D.J.; Lee, L.N.; Lefkowitz, E.J.; Lu, J.; Matsushima, P.; McAhren, S.; M

e, P.; Sun, P.M.; Winkler, M.E.

J. Bacteriol. 183, 5709-5717, 2001

A:Authors: Yang, Y.; Young-Bellido, M.; Zhao, G.; Zook, C.; Baltz, R.H.; Jaskunas, S.R.;

A:Title: Genome of the Bacterium Streptococcus pneumoniae Strain R6.

A:Reference number: A97872; MUID:21429245; PMID:11544234

A:Accession: H98101

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-363 <KUR>

A:Cross-references: GB:AE007317; PIDN:AAL00645.1; PID:g15459531; GSPDB:GN00174

C:Genetics:  
 A:Gene: spr1842

Query Match 100.0%; Score 31; DB 2; Length 363;  
 Best Local Similarity 45.5%; Pred. No. 3e+02; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

Db 30 EEVVPFEGFAM 40  
 |||||:||||:

## RESULT 44

T36116

probable oxidoreductase - Streptomyces coelicolor

C:Species: Streptomyces coelicolor

C:Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 03-Dec-1999

C:Accession: T36116

R:Murphy, L.; Harris, D.; Bentley, S.D.; Parkhill, J.; Barrell, B.G.; Rajandream, M

submitted to the EMBL Data Library, April 1999

A:Reference number: Z21597

A:Accession: T36116

A>Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA

A:Residues: 1-367 <MUR>

A:Cross-references: EMBL:AL049707; PIDN:CAB41282.1; GSPDB:GN00070; SCOEDB:SCE15.13c

A:Experimental source: strain A3(2)

C:Genetics:  
 A:Gene: SCOEDB:SCE15.13c

Query Match 100.0%; Score 31; DB 2; Length 367;  
 Best Local Similarity 45.5%; Pred. No. 3.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 325 EEVVPVLEEF 335

## RESULT 45

JC5747

coronafacic acid synthetase component cfa3 [imported] - Pseudomonas syringae

C:Contains: 3-oxoacyl-[acyl-carrier-protein] synthase (EC 3.2.1.-)

C:Species: Pseudomonas syringae

C:Date: 24-Jan-1998 #sequence\_revision 13-Mar-1998 #text\_change 20-Jun-2000

C:Accession: JC5747

R:Penfold, C.N.; Bender, C.L.; Turner, J.G.

Gene 183, 167-173, 1996

A:Title: Characterisation of genes involved in biosynthesis of coronafacic acid, th

A:Reference number: JC5745; MUID:97149295; PMID:8996103

A:Accession: JC5747

A:Molecule type: DNA

A:Residues: 1-380 <PEN>

A:Cross-references: GB:U56980; NID:g1655810; PIDN:AAB41300.1; PID:g1655813

A>Note: the authors translated the initiation codon GNG for residue 1 as Met

C:Genetics:  
 A:Gene: cfa3

A:Start codon: GTG

C:Superfamily: 3-oxoacyl-[acyl-carrier-protein] synthase I; 3-oxoacyl-[acyl-carrier

C:Keywords: glycosidase; hydrolase; transferase

F:26-372/Domain: 3-oxoacyl-[acyl-carrier-protein] synthase I homology <OAS>

Query Match 100.0%; Score 31; DB 2; Length 380;  
 Best Local Similarity 45.5%; Pred. No. 3.2e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 89 EEVVPVLTATSY 99

## RESULT 46

T05399

hypothetical protein F10M6.70 - Arabidopsis thaliana

C:Species: Arabidopsis thaliana (mouse-ear cress)

C:Date: 23-Apr-1999 #sequence\_revision 23-Apr-1999 #text\_change 20-Jun-2000

C:Accession: T05399

R:Bevan, M.; Weichselgartner, M.; Fartmann, B.; Granderath, K.; Dauner, D.; Herzl,

submitted to the Protein Sequence Database, February 1998

A:Reference number: Z15414

A:Accession: T05399

A:Molecule type: DNA  
A:Residues: 1-384 <BEV>  
A:Cross-references: EMBL:AL021811  
A:Experimental source: cultivar Columbia; BAC clone F10M6  
C:Genetics:  
A:Map position: 4  
A:Note: F10M6.70  
C:Superfamily: Arabidopsis thaliana hypothetical protein T2P22.120

Query Match 100.0%; Score 31; DB 2; Length 384;  
Best Local Similarity 45.5%; Pred. No. 3.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 318 EEVVPVLVRL 328

RESULT 47  
T16782  
hypothetical protein T02G5.7 - Caenorhabditis elegans  
C:Species: Caenorhabditis elegans  
C:Date: 20-Sep-1999 #sequence\_revision 20-Sep-1999 #text\_change 24-Nov-1999  
C:Accession: T16782  
R:Pauley, A.  
Submitted to the EMBL Data Library, November 1995  
A:Description: The sequence of C. elegans cosmid T02G5.  
A:Reference number: Z18577  
A:Accession: T16782  
A>Status: preliminary; translated from GB/EMBL/DBJ  
A:Molecule type: DNA  
A:Residues: 1-390 <PAU>  
A:Cross-references: EMBL:U41105; NID:g1086772; PID:g1086775; PIDN:AAA82398.1; CESP:T02G5  
A:Gene: CESP:T02G5.7  
A:Introns: 44/1; 226/3; 351/2  
C:Superfamily: acetyl-CoA acetyltransferase

Query Match 100.0%; Score 31; DB 2; Length 390;  
Best Local Similarity 45.5%; Pred. No. 3.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 197 EEVVPVSVKTS 207

RESULT 48  
B83841  
phosphopentomutase BH1530 [imported] - Bacillus halodurans (strain C-125)  
C:Species: Bacillus halodurans  
C:Date: 01-Dec-2000 #sequence\_revision 01-Dec-2000 #text\_change 15-Jun-2001  
C:Accession: B83841  
R:Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fujii, F.; Hira  
Nucleic Acids Res. 28, 4317-4331, 2000  
A:Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and  
A:Reference number: A83650; MUID:20512582; PMID:11058132  
A:Accession: B83841  
A>Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-393 <STO>  
A:Cross-references: GB:AP001512; GB:BA000004; NID:g10174030; PIDN:BA05249.1; GSPDB:GN00  
A:Experimental source: strain C-125  
C:Genetics:  
A:Gene: BH1530  
C:Superfamily: phosphopentomutase

Query Match 100.0%; Score 31; DB 2; Length 393;  
Best Local Similarity 45.5%; Pred. No. 3.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||

Db 167 EEVVPLELYD 177

RESULT 49  
B69619  
phosphodeoxyribomutase drm - Bacillus subtilis  
C:Species: Bacillus subtilis  
C:Date: 05-Dec-1997 #sequence\_revision 05-Dec-1997 #text\_change 20-Jun-2000  
C:Accession: B69619  
R:Kunst, F.; Ogasawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Re  
C.; Bron, S.; Brouillet, S.; Bruschii, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.;  
A.; Ehrlich, S.D.; Emerson, P.R.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari,  
Nature 390, 249-256, 1997  
A:Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Ga  
iech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo,  
Koetter, P.; Koningstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardin  
A:Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Ma  
Y, M.; Ogawa, K.; Ogiwara, A.; Oudega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portet  
Kleger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, M.; Sadale, Y.; Sato, T.; Scan  
A:Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Sekiguchi, J.; Sekowska, A.; S  
akeuchi, M.; Tamakoshi, A.; Tanaka, T.; Terpstra, P.; Tognoni, A.; Tosato, V.; Uchi  
T.; Winters, P.; Wipat, A.; Yamamoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshid  
A:Authors: Yoshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.  
A:Title: The complete genome sequence of the Gram-positive bacterium Bacillus subtil  
A:Reference number: A69580; MUID:98044033; PMID:9384377  
A:Accession: B69619  
A>Status: preliminary; nucleic acid sequence not shown; translation not shown  
A:Residues: 1-394 <KUN>  
A:Cross-references: GB:Z99116; GB:AL009126; NID:g2634723; PIDN:CAB14282.1; PID:g2634  
A:Molecule type: DNA  
A:Experimental source: strain 168  
C:Genetics:  
A:Gene: drm  
C:Superfamily: phosphopentomutase

Query Match 100.0%; Score 31; DB 2; Length 394;  
Best Local Similarity 45.5%; Pred. No. 3.3e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 167 EEVVPLELYR 177

RESULT 50  
S36719  
FUN33 protein - yeast (Saccharomyces cerevisiae)  
N:Alternate names: protein VAL015c  
C:Species: Saccharomyces cerevisiae  
C:Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 24-Sep-1999  
C:Accession: S36719  
R:Ouillet, F.; Clark, M.W.; Keng, T.; Storms, R.K.; Zhong, W.; Zeng, B.; Fortin, N.  
Submitted to the EMBL Data Library, January 1993  
A:Description: Sequencing of Chromosome I from Saccharomyces cerevisiae: analysis of  
A:Reference number: S36711  
A:Accession: S36719  
A:Molecule type: DNA  
A:Residues: 1-399 <OUE>  
A:Cross-references: EMBL:L05146; NID:g171851; PIDN:AAC04942.1; PID:g171860; MIPS:YAL  
C:Genetics:  
A:Gene: SGD:NTG1; FUN33  
A:Cross-references: MIPS:YAL015c; SGD:S0000013  
A:Map position: 1L  
C:Superfamily: yeast FUN33 protein  
C:Keywords: mitochondrion

Query Match 100.0%; Score 31; DB 2; Length 399;  
Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 40 EEVVPQPVDD 50

A:Residues: 1-407 <KUR>  
 A:Cross-references: GB:BA000018; PID:gl3701510; PIDN:BA042804.1; GSPDB:GN00149  
 A:Experimental source: strain N315  
 C:Genetics:  
 C:Superfamily: Mycoplasma genitalium hypothetical protein MG372

Query Match 100.0%; Score 31; DB 2; Length 407;  
 Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 DB 163 EEVVPGGGLP 173

## RESULT 53

B82682  
 succinylornithine aminotransferase XF1427 [imported] - Xylella fastidiosa (strain 9  
 C:Species: Xylella fastidiosa  
 C:Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 02-Sep-2000  
 C:Accession: B82682  
 R:Anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide S  
 Nature 406, 151-157, 2000  
 A:Title: The genome sequence of the plant pathogen Xylella fastidiosa.  
 A:Reference number: A82515; PMID:20365717; PMID:10910347  
 A:Note: for a complete list of authors see reference number A59328 below  
 A:Accession: B82682  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-411 <SIM>  
 A:Cross-references: GB:AE003973; GB:AE003849; NID:g9106438; PIDN:AAF84236.1; GSPDB:  
 R:Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga,  
 Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carr  
 as-Neto, E.; Docena, C.; El-Dorri, H.; Facincaui, A.P.; Ferreira, A.J.S.  
 submitted to GenBank, June 2000  
 A:Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franca, S.C.; Franco, M.C.;  
 J.D.; Junqueira, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.;  
 chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Marti  
 A:Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Miracca, E.C.; Miyaki,  
 F.G.; Nunes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri  
 Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Sa, R.G.; Santelli, R.V.; Sa  
 A:Authors: da Silva, A.C.R.; da Silva, F.R.; da Silva, A.M.; Silva Jr., W.A.; da Si  
 M.; Tshukako, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A.  
 A:Reference number: A59328  
 A:Contents: annotation  
 C:Genetics:  
 A:Gene: XFI427  
 C:Superfamily: ornithine-oxo-acid aminotransferase

Query Match 100.0%; Score 31; DB 2; Length 411;  
 Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 DB 245 EEVVPDIVTLA 255

RESULT 54  
 T44714  
 hypothetical protein MLCB1243.23c [imported] - Mycobacterium leprae  
 C:Species: Mycobacterium leprae  
 C:Date: 21-Jan-2000 #sequence\_revision 21-Jan-2000 #text\_change 21-Jan-2000  
 C:Accession: T44714  
 R:Parkhill, J.; Barrell, B.G.; Rajandream, M.A.  
 submitted to the EMBL Data Library, May 1998  
 A:Reference number: 222830  
 A:Accession: T44714  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-414 <PAR>

Query Match 100.0%; Score 31; DB 2; Length 411;  
 Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:|:  
 DB 245 EEVVPDIVTLA 255

RESULT 54  
 T44714  
 hypothetical protein MLCB1243.23c [imported] - Mycobacterium leprae  
 C:Species: Mycobacterium leprae  
 C:Date: 21-Jan-2000 #sequence\_revision 21-Jan-2000 #text\_change 21-Jan-2000  
 C:Accession: T44714  
 R:Parkhill, J.; Barrell, B.G.; Rajandream, M.A.  
 submitted to the EMBL Data Library, May 1998  
 A:Reference number: 222830  
 A:Accession: T44714  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-414 <PAR>

Query Match 100.0%; Score 31; DB 2; Length 411;  
 Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~|:|:~|:~|:  
 DB 75 EEVVPKLEKER 85

RESULT 52  
 G89955  
 hypothetical protein SAI537 [imported] - Staphylococcus aureus (strain N315)  
 C:Species: Staphylococcus aureus  
 C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 22-Oct-2001  
 C:Accession: G89955  
 R:Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Oguc  
 ma, A.; Mizutani-Oi, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kato, C.; Sekimizu, K.;  
 C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.  
 Lancet 357, 1225-1240, 2001  
 A:Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.  
 A:Reference number: A89758; PMID:21311952; PMID:11418146  
 A:Accession: G89955  
 A:Status: preliminary  
 A:Molecule type: DNA

Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~|:|:~|:~|:  
 DB 75 EEVVPKLEKER 85

## RESULT 51

A31266  
 alkane 1-monooxygenase (EC 1.14.15.3) - Pseudomonas oleovorans plasmid OCT  
 N:Alternate names: alkane 1-hydroxylase  
 C:Species: Pseudomonas oleovorans  
 C:Date: 26-Apr-1989 #sequence\_revision 26-May-1995 #text\_change 11-Jun-1999  
 C:Accession: A32849; S27990; A31266  
 R:Kok, M.; Oldenhuis, R.; van der Linden, M.P.G.; Raatjes, P.; Kingma, J.; van Lelyveld,  
 J. Biol. Chem. 264, 5435-5441, 1989  
 A:Title: The Pseudomonas oleovorans alkane hydroxylase gene. Sequence and expression.  
 A:Reference number: A32849; MUID:89174581; PMID:2647718  
 A:Accession: A32849  
 A:Molecule type: DNA  
 A:Residues: 1-401 <KOK>  
 A:Cross-references: GB:X65936; GB:J04618; NID:g49078; PIDN:CAA46733.1; PID:g49079; GB:J0  
 A:Note: part of this sequence, including the amino end of the mature protein, was confir  
 R:van Bellen, J.B.; Pennings, D.; Witholt, B.  
 J. Biol. Chem. 267, 9194-9201, 1992  
 A:Title: Topology of the membrane-bound alkane hydroxylase of Pseudomonas oleovorans.  
 A:Reference number: A40196; MUID:92250518; PMID:1315749  
 A:Contents: annotation  
 R:van Bellen, J.B.; Eggink, G.; Enequist, H.; Bos, R.; Witholt, B.  
 Mol. Microbiol. 6, 3121-3136, 1992  
 A:Title: DNA sequence determination and functional characterization of the OCT-plasmid-e  
 A:Reference number: S27990; MUID:93086421; PMID:1453953  
 A:Accession: S27990  
 A:Status: nucleic acid sequence not shown; translation not shown  
 A:Molecule type: DNA  
 A:Residues: 1-401 <BEI>  
 A:Cross-references: EMBL:X65936; NID:g49078; PIDN:CAA46733.1; PID:g49079  
 A:Note: the nucleotide sequence was submitted to the EMBL Data Library, April 1992  
 C:Genetics:  
 A:Gene: alkB  
 C:Superfamily: plasmid OCT  
 C:Keywords: inner membrane; oxidoreductase; transmembrane protein  
 F:1-401/Product: alkane 1-monooxygenase #status predicted <MAT>  
 F:1-401/Domain: transmembrane #status predicted <TM1>  
 F:20-39/Domain: transmembrane #status predicted <PR1>  
 F:43-62/Domain: periplasmic #status predicted <TM2>  
 F:89-109/Domain: transmembrane #status predicted <PR2>  
 F:110-112/Domain: periplasmic #status predicted <TM4>  
 F:113-134/Domain: transmembrane #status predicted <TM5>  
 F:228-246/Domain: transmembrane #status predicted <TM6>  
 F:247-249/Domain: periplasmic #status predicted <PR3>  
 F:250-271/Domain: transmembrane #status predicted <TM6>

Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~|:|:~|:~|:  
 DB 75 EEVVPKLEKER 85

RESULT 52  
 G89955  
 hypothetical protein SAI537 [imported] - Staphylococcus aureus (strain N315)  
 C:Species: Staphylococcus aureus  
 C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 22-Oct-2001  
 C:Accession: G89955  
 R:Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Oguc  
 ma, A.; Mizutani-Oi, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kato, C.; Sekimizu, K.;  
 C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.  
 Lancet 357, 1225-1240, 2001  
 A:Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.  
 A:Reference number: A89758; PMID:21311952; PMID:11418146  
 A:Accession: G89955  
 A:Status: preliminary  
 A:Molecule type: DNA

Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~|:|:~|:~|:  
 DB 75 EEVVPKLEKER 85

RESULT 52  
 G89955  
 hypothetical protein SAI537 [imported] - Staphylococcus aureus (strain N315)  
 C:Species: Staphylococcus aureus  
 C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 22-Oct-2001  
 C:Accession: G89955  
 R:Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Oguc  
 ma, A.; Mizutani-Oi, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kato, C.; Sekimizu, K.;  
 C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.  
 Lancet 357, 1225-1240, 2001  
 A:Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.  
 A:Reference number: A89758; PMID:21311952; PMID:11418146  
 A:Accession: G89955  
 A:Status: preliminary  
 A:Molecule type: DNA

Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~|:|:~|:~|:  
 DB 75 EEVVPKLEKER 85

RESULT 52  
 G89955  
 hypothetical protein SAI537 [imported] - Staphylococcus aureus (strain N315)  
 C:Species: Staphylococcus aureus  
 C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 22-Oct-2001  
 C:Accession: G89955  
 R:Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Oguc  
 ma, A.; Mizutani-Oi, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kato, C.; Sekimizu, K.;  
 C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.  
 Lancet 357, 1225-1240, 2001  
 A:Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.  
 A:Reference number: A89758; PMID:21311952; PMID:11418146  
 A:Accession: G89955  
 A:Status: preliminary  
 A:Molecule type: DNA

Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~|:|:~|:~|:  
 DB 75 EEVVPKLEKER 85

RESULT 52  
 G89955  
 hypothetical protein SAI537 [imported] - Staphylococcus aureus (strain N315)  
 C:Species: Staphylococcus aureus  
 C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 22-Oct-2001  
 C:Accession: G89955  
 R:Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Oguc  
 ma, A.; Mizutani-Oi, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kato, C.; Sekimizu, K.;  
 C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.  
 Lancet 357, 1225-1240, 2001  
 A:Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.  
 A:Reference number: A89758; PMID:21311952; PMID:11418146  
 A:Accession: G89955  
 A:Status: preliminary  
 A:Molecule type: DNA

Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 3.4e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:~|:|:~|:~|:  
 DB 75 EEVVPKLEKER 85

RESULT 52  
 G89955  
 hypothetical protein SAI537 [imported] - Staphylococcus aureus (strain N315)  
 C:Species: Staphylococcus aureus  
 C:Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 22-Oct-2001  
 C:Accession: G89955  
 R:Kuroda, M.; Ohta, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Oguc  
 ma, A.; Mizutani-Oi, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kato, C.; Sekimizu, K.;  
 C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.  
 Lancet 357, 1225-1240, 2001  
 A:Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.  
 A:Reference number: A89758; PMID:21311952; PMID:11418146  
 A:Accession: G89955  
 A:Status: preliminary  
 A:Molecule type: DNA

A;Cross-references: EMBL:AL023635; PIDN:CAA19204.1  
A;Experimental source: cosmid B1243  
C;Genetics:  
A;Note: MLCB1243.23c

Query Match 100.0%; Score 31; DB 2; Length 414;  
Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 120 EEVVP LLARSE 130

## RESULT 55

F70778

hypothetical protein RV2342 - Mycobacterium tuberculosis (strain H37RV)

C;Species: Mycobacterium tuberculosis  
C;Date: 17-Jul-1998 #sequence\_revision 17-Jul-1998 #text\_change 22-Oct-1999  
C;Accession: F70778  
R;Cole, S.T.; Brosch, R.; Parkhill, J.; Garnier, T.; Churcher, C.; Harris, D.; Gordon, S.; Connor, R.; Davies, R.; Devlin, K.; Feltwell, T.; Gentles, S.; Hamlin, N.; Holroyd, S.; Rajandream, M.A.; Rogers, J.; Rutter, S.; Seeger, K.; Skelton, S.; Squares, S.; Nature 393, 537-544, 1998  
A;Authors: Squares, R.; Sulston, J.E.; Taylor, K.; Whitehead, S.; Bartell, B.G.  
A;Title: Deciphering the biology of Mycobacterium tuberculosis from the complete genome  
A;Reference number: A70500; MUID:98295987; PMID:9634230  
A;Accession: F70778  
A;Status: preliminary; nucleic acid sequence not shown; translation not shown  
A;Molecule type: DNA  
A;Residues: 1-414 <COL>  
A;Cross-references: GB:A70692; GB:AL123456; NID:g3261567; PIDN:CRA94663.1; PID:e235181;  
A;Experimental source: strain H37RV  
C;Genetics:  
A;Gene: RV2242

Query Match 100.0%; Score 31; DB 2; Length 414;  
Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 120 EEVVP LLARSE 130

## RESULT 56

G75062

probable flagella-related protein D or E PAB1382 - Pyrococcus abyssi (strain Orsay)

C;Species: Pyrococcus abyssi  
C;Date: 20-Aug-1999 #sequence\_revision 20-Aug-1999 #text\_change 20-Aug-1999  
C;Accession: G75062  
R;anonymous, Genoscope  
A;Description: Pyrococcus abyssi genome sequence: insights into archaeal chromosome structure submitted to the EMBL Data Library, July 1999  
A;Accession: G75062  
A;Status: preliminary  
A;Molecule type: DNA  
A;Residues: 1-419 <RAW>  
A;Cross-references: GB:AJ248287; GB:AL096836; NID:g5458657; PIDN:CAB50396.1; PID:e151629  
A;Experimental source: strain Orsay  
C;Genetics:  
A;Gene: PAB1382

Query Match 100.0%; Score 31; DB 2; Length 419;  
Best Local Similarity 45.5%; Pred. No. 3.6e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 201 EEVVP EEEVVE 211

## RESULT 57

JC7823

elongation factor 1 gamma-subunit, silk gland - silkworm

C;Species: Bombyx mori (silkworm)  
C;Date: 03-Jun-2002 #sequence\_revision 03-Jun-2002 #text\_change 03-Jun-2002  
C;Accession: JC7823  
R;Kamile, K.; Nomura, Y.; Kobayashi, S.; Taira, H.; Kobayashi, K.; Yamashita, T.; Kido, Biosci. Biotechnol. Biochem. 66, 558-565, 2002  
A;Title: Cloning and expression of Bombyx mori silk gland elongation factor 1 gamma 1  
A;Reference number: JC7823; PMID:12005049; MUID:21999810  
A;Contents: Silk gland  
A;Accession: JC7823  
A;Molecule type: mRNA  
A;Residues: 1-423 <KAM>

A;Cross-references: DDBJ:AB046361  
C;Comment: This protein specifically binds to glutathione Sepharose and plays a role in ngation factor (EF)-alpha-bound GDP for GTP, and is involved in the stimulation of t

Query Match 100.0%; Score 31; DB 2; Length 423;

Best Local Similarity 45.5%; Pred. No. 3.6e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 247 EEVVP DLEEEE 257

## RESULT 58

S53004

mitosis-specific cyclin CYC2 - rape

C;Species: Brassica napus (rape)  
C;Date: 14-Jul-1995 #sequence\_revision 21-Jul-1995 #text\_change 16-Jul-1999  
C;Accession: S53004  
R;Szarka, S.; Fitch, M.; Schaefer, S.; Moloney, M.  
Plant Mol. Biol. 27, 263-275, 1995  
A;Title: Classification and expression of a family of cyclin gene homologues in Brass  
A;Reference number: S52996; MUID:95195155; PMID:7888617  
A;Accession: S53004  
A;Molecule type: mRNA  
A;Residues: 1-425 <SZA>  
A;Cross-references: EMBL:L25406; NID:g562189; PIDN:AAA51660.1; PID:g562190  
A;Experimental source: cv. Westar  
C;Superfamily: cyclin  
C;Keywords: cell cycle control; cell division control; mitosis

Query Match 100.0%; Score 31; DB 2; Length 425;  
Best Local Similarity 45.5%; Pred. No. 3.6e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 104 EEVVP IERKAF 114

## RESULT 59

H71172

hypothetical protein PH0580 - Pyrococcus horikoshii

C;Species: Pyrococcus horikoshii  
C;Date: 14-Aug-1998 #sequence\_revision 14-Aug-1998 #text\_change 28-Jul-2000  
C;Accession: H71172  
R;Kawarabayashi, Y.; Sawada, M.; Horikawa, H.; Hino, Y.; Yamamoto, S.; Ogo, M.; Ohfuku, Y.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Kushida, N.; Ogo, DNA Res. 5, 55-76, 1998  
A;Title: Complete sequence and gene organization of the genome of a hyper-thermophilic  
A;Reference number: A71000; MUID:98344137; PMID:9679194  
A;Accession: H71172  
A;Status: preliminary; nucleic acid sequence not shown; translation not shown  
A;Molecule type: DNA  
A;Residues: 1-431 <KAW>

A;Cross-references: GB:AP000002; NID:g3236129; PIDN:BAA29669.1; PID:g3256986  
A;Experimental source: strain OT3  
A;Note: this accession replaces an interim accession for a sequence replaced by GenBa  
C;Genetics:

A:Gene: PH0580  
C:Superfamily: Pyrococcus horikoshii hypothetical protein PH0580

Query Match 100.0%; Score 31; DB 2; Length 431;  
Best Local Similarity 45.5%; Pred. No. 3.7e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 348 EEVVPRLRRIR 358

## RESULT 60

S77156

processing proteinase sll2009 - Synechocystis sp. (strain PCC 6803)

N:Alternate names: protein sll2009

C:Species: Synechocystis sp.

A:Variety: PCC 6803

C:Date: 25-Apr-1997 #sequence\_revision 25-Apr-1997 #text\_change 20-Jun-2000

C:Accession: S77156

R:Kaneko, T.; Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N.;

O, K.; Okumura, S.; Shimpo, S.; Takeuchi, C.; Wada, T.; Watanabe, A.; Yamada, M.; Yasuda

DNA Res. 3, 109-136, 1996

A:Title: Sequence analysis of the genome of the unicellular cyanobacterium Synechocystis

S.

A:Reference number: S74322; MUID:97061201; PMID:8905231

A:Accession: S77156

A:Status: nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-435 &lt;DNA&gt;

A:Cross-references: EMBL:D90908; GB:AB001339; NID:g1652725; PIDN:BAAL7714.1; PID:g165279

A:Note: the nucleotide sequence was submitted to the EMBL Data Library, June 1996

C:Superfamily: mitochondrial processing peptidase alpha chain

Query Match 100.0%; Score 31; DB 2; Length 435;  
Best Local Similarity 45.5%; Pred. No. 3.7e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 166 EEVVPHTAOD 176

## RESULT 61

G64844

probable membrane protein ycdT - Escherichia coli (strain K-12)

C:Species: Escherichia coli

C:Date: 12-Sep-1997 #sequence\_revision 17-Sep-1997 #text\_change 01-Mar-2002

C:Accession: G64844

R:Blattner, F.R.; Mau, B.; Shao, Y.

A.; Rose, D.J.; Mau, B.; Shao, Y.

Science 277, 1453-1462, 1997

A:Title: The complete genome sequence of Escherichia coli K-12.

A:Reference number: A64720; MUID:97426617; PMID:9278503

A:Accession: G64844

A:Status: nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-452 &lt;BLAT&gt;

A:Cross-references: GB:AE000204; GB:U00096; NID:g1787256; PIDN:AAC74110.1; PID:g1787262;

A:Experimental source: strain K-12, substrain MG1655

C:Genetics:

A:Gene: ycdT

C:Superfamily: hypothetical protein b1785

C:Keywords: transmembrane protein

F;8-24/Domain: transmembrane #status predicted &lt;TM1&gt;

F;44-60/Domain: transmembrane #status predicted &lt;TM2&gt;

F;79-95/Domain: transmembrane #status predicted &lt;TM3&gt;

F;116-132/Domain: transmembrane #status predicted &lt;TM4&gt;

F;151-167/Domain: transmembrane #status predicted &lt;TM5&gt;

F;193-209/Domain: transmembrane #status predicted &lt;TM6&gt;

F;224-240/Domain: transmembrane #status predicted &lt;TM7&gt;

F;261-277/Domain: transmembrane #status predicted &lt;TM8&gt;

Query Match 100.0%; Score 31; DB 2; Length 452;  
Best Local Similarity 45.5%; Pred. No. 3.9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 35 EEVVPSTYLM 45

## RESULT 62

G90787

hypothetical protein ECs1271 [imported] - Escherichia coli (strain O157:H7, substrain

C:Species: Escherichia coli

C:Date: 18-Jul-2001 #sequence\_revision 18-Jul-2001 #text\_change 03-Aug-2001

C:Accession: G90787

R:Hayashi, T.; Makino, K.; Ohnishi, M.; Kurokawa, K.; Ishii, K.; Yokoyama, K.; Han,

gasawara, N.; Yasunaga, T.; Kuhara, S.; Shiba, T.; Hattori, M.; Shinagawa, H.

DNA Res. 8, 11-22, 2001

A:Title: Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and

A:Reference number: A99629; MUID:21156231; PMID:11258796

A:Accession: G90787

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-452 &lt;HAY&gt;

A:Cross-references: GB:BA000007; PIDN:BAB34694.1; PID:g13360731; GSPDB:GN00154

A:Experimental source: strain O157:H7, substrain RIMD 0509952

C:Genetics:

A:Gene: ECs1271

C:Superfamily: hypothetical protein b1785

Query Match 100.0%; Score 31; DB 2; Length 452;  
Best Local Similarity 45.5%; Pred. No. 3.9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:~|:|:|:|:~|:~|:  
Db 35 EEVVPSTYLM 45

## RESULT 63

G85647

hypothetical protein ycdT [imported] - Escherichia coli (strain O157:H7, substrain

C:Species: Escherichia coli

C:Date: 16-Feb-2001 #sequence\_revision 16-Feb-2001 #text\_change 14-Sep-2001

C:Accession: G85647

R:Perna, N.T.; Plunkett III, G.; Burland, V.; Mau, B.; Glasner, J.D.; Rose, D.J.; M

iller, L.; Grobeck, E.J.; Davis, N.W.; Lim, A.; Dimalanta, E.; Potamousis, K.; Apo

Nature 409, 529-533, 2001

A:Title: Genome sequence of enterohemorrhagic Escherichia coli O157:H7.

A:Reference number: A85480; MUID:21074935; PMID:11206351

A:Accession: G85647

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-452 &lt;STO&gt;

A:Cross-references: GB:AE005174; NID:g12514390; PIDN:AAG55643.1; GSPDB:GN00145; UWG

A:Experimental source: strain O157:H7, substrain EDL933

C:Genetics:

A:Gene: ycdT

C:Superfamily: hypothetical protein b1785

Query Match 100.0%; Score 31; DB 2; Length 452;  
Best Local Similarity 45.5%; Pred. No. 3.9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:~|:|:~|:~|:~|:  
Db 35 EEVVPSTYLM 45

## RESULT 64

G75530

probable ATP-dependent RNA helicase - Deinococcus radiodurans (strain R1)

C:Species: Deinococcus radiodurans



```

C>Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 17-Nov-2000
C:Accession: G75530
R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;
M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A:Reference number: A75250; MUID:20036896; PMID:10567266
A:Accession: G75530
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-478 <WHI>
A:Cross-references: GB:AE001894; GB:AE000513; NID:g6458011; PID:g6458011
A:Experimental source: strain R1
C:Genetics:
A:Map position: 1

Query Match 100.0%; Score 31; DB 2; Length 478;
Best Local Similarity 45.5%; Pred. No. 4.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
|||||:
Db 314 EEVVPLEGND 324

RESULT 65
T12818
Hypothetical protein yond - Bacillus subtilis phage SPBc2
C:Species: Bacillus subtilis phage SPBc2
C>Date: 13-Aug-1999 #sequence_revision 13-Aug-1999 #text_change 15-Oct-1999
C:Accession: T12818; F69913
R:Lazarevic, V.; Dueterhoeft, A.; Soldo, B.; Hilbert, H.; Muel, C.; Karamata, D.
submitted to the EMBL Data Library, August 1997
A:Description: The complete nucleotide sequence of the Bacillus subtilis SPBc2 prophage
A:Reference number: T17583
A:Accession: T12818
A>Status: translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-478 <LAZ>
A:Cross-references: EMBL:AF020713; NID:g3025478; PID:g3025532; PIDN:AAC13027.1
R:Kunst, R.; Ogasawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Berter
C.; Bron, S.; Brouillet, S.; Brusch, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.; Chd
A.; Ehrlich, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari, E.
Nature 390, 249-256, 1997
A:Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Galler
iech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hulio, M.F.
Koetter, P.; Konigstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois
A:Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maueel
Y, M.; Ogawa, K.; Ogiwara, A.; Oudega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portetelle
Rieger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, M.; Sadaie, Y.; Sato, T.; Scanlon,
A:Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Sekiguchi, J.; Sekowska, A.; Serod
akeuchi, M.; Tamakoshi, A.; Tanaka, T.; Terpstra, P.; Tognoni, A.; Tosato, V.; Uchiyama,
T.; Winters, P.; Wipat, A.; Yamamoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshida, K
A:Authors: Yoshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.
A:Title: The complete genome sequence of the Gram-positive bacterium Bacillus subtilis.
A:Reference number: A69580; MUID:98044033; PMID:9384377
A:Accession: F69913
A>Status: nucleic acid sequence not shown; translation not shown
A:Molecule type: DNA
A:Residues: 1-478 <KUN>
A:Cross-references: GB:299115; GB:AL009126; NID:g2634478; PIDN:CAB14031.1; PID:el183560;
A:Experimental source: strain 168
C:Genetics:
A:Gene: yond

Query Match 100.0%; Score 31; DB 2; Length 478;
Best Local Similarity 45.5%; Pred. No. 4.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
|||||:

```

Db 319 EEVVPETIQSQ 329

# RESULT 66

A35667

Ty transcription activator TECL - yeast (Saccharomyces cerevisiae)

N:Alternate names: protein YBR0750; protein YBR083W

C:Species: Saccharomyces cerevisiae

C>Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 21-Jul-2000

C:Accession: A35667; S45950

R:Laloux, I.; Dubois, E.; Dewerchin, M.; Jacobs, E.

Mol. Cell. Biol. 10, 3541-3550, 1990

A:Title: TECL, a gene involved in the activation of Ty1 and Ty2-mediated gene expression

A:Reference number: A35667; MUID:90287143; PMID:2192259

A:Accession: A35667

A:Molecule type: DNA

A:Residues: 1-486 <LAL>

A:Cross-references: GB:M32797; NID:gl72881; PIDN:AAA35141.1; PID:g172882

R:Andre, B.; Cziepluch, C.; Hein, C.; Jauniaux, J.C.; Urrestarazu, A.; Viissers, S.

submitted to the Protein Sequence Database, August 1994

A:Reference number: S45993

A:Accession: S45950

A:Molecule type: DNA

A:Residues: 1-486 <AND>

A:Cross-references: EMBL:Z35952; NID:g536345; PIDN:CAA85028.1; PID:g536346; GSPDB:GNO

C:Genetics:

A:Gene: SGD:YBR083W

A:Cross-references: SGD:S0000287; MIPS:YBR083W

A:Map position: 2R

C:Superfamily: Ty transcription activator TECL; TEA DNA-binding domain homology

C:Keywords: DNA binding; nucleus; transcription regulation

F:123-193/Domain: TEA DNA-binding domain homology <TEA>

Query Match 100.0%; Score 31; DB 1; Length 486;

Best Local Similarity 45.5%; Pred. No. 4.2e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:

Db 393 EEVVPRTATVT 403

# RESULT 67

E75561

Probable phytoene dehydrogenase - Deinococcus radiodurans (strain R1)

C:Species: Deinococcus radiodurans

C>Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 31-Mar-2000

C:Accession: E75561

R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.

M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.

S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.

Science 286, 1571-1577, 1999

A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.

A:Reference number: A75250; MUID:20036896; PMID:10567266

A:Accession: E75561

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-511 <WHI>

A:Cross-references: GB:AE001872; GB:AE000513; NID:g6457750; PIDN:AAF09686.1; PID:g645

A:Experimental source: strain R1

C:Genetics:

A:Gene: DR0093

A:Map position: 1

C:Superfamily: phytoene dehydrogenase

Query Match 100.0%; Score 31; DB 2; Length 511;

Best Local Similarity 45.5%; Pred. No. 4.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11

|||||:

Db 45 EEVVPGYRFDY 55



A:Cross-references: GB:S39064; EMBL:M74824; NID:g250810; PID:g250811

C:Genetics:

A:Gene: Ddp73d

A:Cross-references: FlyBase:FBgn0004556

A:Introns: 8/2; 282/1

C:Superfamily: fruit fly gene Ddp73D protein

C:Keywords: ATP; nucleotide binding; nucleus; P-loop

F:190-197/Region: nucleotide-binding motif A (P-loop)

F:301-306/Region: nucleotide-binding motif B

F:305-308/Region: DEAD motif

Query Match 100.0%; Score 31; DB 1; Length 572;

Best Local Similarity 45.5%; Pred. No. 5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 84 EEVVPSPNEFQV 94

#### RESULT 71

T29096

gag polyprotein - murine endogenous retrovirus ERV-L

C:Species: murine endogenous retrovirus ERV-L

C>Date: 02-Sep-2000 #sequence\_revision 02-Sep-2000 #text\_change 02-Sep-2000

C:Accession: T29096

R:Benit, L.; de Parseval, N.; Casella, J.F.; Callebaut, I.; Cordonnier, A.; Heidmann

J. Virol. 71, 5652-5657, 1997

A:Title: Cloning of a new murine endogenous retrovirus, MuERV-L, with strong similar

A:Reference number: Z20565; MUID:97332409; PMID:9186643

A:Accession: T29096

A>Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA

A:Residues: 1-581 <BEN>

A:Cross-references: EMBL:Y12713; NID:el045748; PID:CAA73250.1

A:Experimental source: specific host Mus musculus; strain BALB/c

C:Genetics:

A:Gene: gag

Query Match 100.0%; Score 31; DB 2; Length 581;

Best Local Similarity 45.5%; Pred. No. 5.1e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 199 EEVVPSPAPLE 209

#### RESULT 72

T04506

hypothetical protein F8F16.210 - Arabidopsis thaliana

C:Species: Arabidopsis thaliana (mouse-ear cress)

C>Date: 30-Apr-1999 #sequence\_revision 30-Apr-1999 #text\_change 30-Apr-1999

C:Accession: T04506

R:Bevan, M.; Brandt, P.; Dose, S.; Jarke, D.; Scharfe, M.; Schon, O.; Hoheisel, J.;

submitted to the Protein Sequence Database, April 1998

A:Reference number: Z15375

A:Accession: T04506

A:Molecule type: DNA

A:Residues: 1-596 <BEV>

A:Cross-references: EMBL:AL021633

A:Experimental source: cultivar Columbia; BAC clone F8F16

C:Genetics:

A:Map position: 4

A:Introns: 117/3; 144/2; 172/3; 202/3; 266/3; 321/3; 368/3; 428/3; 494/1; 551/3;

A>Note: F8F16.210

Query Match 100.0%; Score 31; DB 2; Length 596;

Best Local Similarity 45.5%; Pred. No. 5.3e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

#### RESULT 68

C82900

probable ABC substrate-binding protein, iron U359 [imported] - Ureaplasma urealyticum

C:Species: Ureaplasma urealyticum

C>Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 02-Sep-2000

C:Accession: C82900

R:Glass, J.I.; Lefkowitz, E.J.; Glass, J.S.; Weiner, C.R.; Chen, E.Y.; Cassell, G.H.

submitted to GenBank, February 2000

A:Description: The complete sequence of Ureaplasma urealyticum: Alternate views of a min

A:Reference number: A82870

A:Accession: C82900

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-544 <GLA>

A:Cross-references: GB:AF002133; GB:AF222894; NID:g6899339; PIDN:AAF30768.1; GSPDB:GN001

A:Experimental source: serovar 3; biovar 1

C:Genetics:

A:Gene: ABCsbp-5; U359

A:Genetic code: SGC3

Query Match 100.0%; Score 31; DB 2; Length 544;

Best Local Similarity 45.5%; Pred. No. 4.8e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 135 EEVVPHYLSYL 145

#### RESULT 69

B88500

protein K04G7.1 [imported] - Caenorhabditis elegans

C:Species: Caenorhabditis elegans

C>Date: 10-May-2001 #sequence\_revision 10-May-2001 #text\_change 10-May-2001

C:Accession: B88500

R:anonymous, The C. elegans Sequencing Consortium.

Science 282, 2012-2018, 1998

A:Title: Genome sequence of the nematode C. elegans: a platform for investigating biolog

A:Reference number: A75000; MUID:99069613; PMID:9851916

A:Note: see websites genome.wustl.edu/gsc/C\_elegans/ and www.sanger.ac.uk/projects/C\_ele

A:Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and

A:Accession: B88500

A>Status: preliminary

A:Molecule type: DNA

A:Residues: 1-558 <STO>

A:Cross-references: GB:chr\_III; PIDN:AAA62533.1; PID:g687842; GSPDB:GN000021; CESP:K04G7.

C:Genetics:

A:Gene: K04G7.1

A:Map position: 3

Query Match 100.0%; Score 31; DB 2; Length 558;

Best Local Similarity 45.5%; Pred. No. 4.9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 544 EEVVPQPRRH 554

#### RESULT 70

S28762

gene Ddp73D protein - fruit fly (Drosophila melanogaster)

C:Species: Drosophila melanogaster

C>Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 19-Jan-2001

C:Accession: S28762

R:Patterson, L.F.; Harvey, M.; Lasko, P.F.

Nucleic Acids Res. 20, 3063-3067, 1992

A:Title: Ddp73D, a Drosophila gene expressed in ovary, encodes a novel D-E-A-D box prote

A:Reference number: S28762; MUID:92319633; PMID:1620603

A:Accession: S28762

A:Molecule type: DNA

A:Residues: 1-572 <PAT>

Db 146 EEVPPFRARQL 156

## RESULT 73

SI5009

hypothetical protein A - Cryphonectria hypovirus 1

C:Species: Cryphonectria hypovirus 1

C>Date: 19-Mar-1997 #sequence\_revision 19-Mar-1997 #text\_change 21-Jul-2000

C:Accession: SI5009

R:Shapira, R.; Choi, G.H.; Nuss, D.L.

EMBO J. 10, 731-739, 1991

A:Title: Virus-like genetic organization and expression strategy for a double-stranded R

A:Reference number: SI5009; MUID:91184117; PMID:3009854

A:Accession: SI5009

A:Status: preliminary

A:Molecule type: genomic RNA

A:Residues: 1-622 <EMB>

A:Cross-references: GB:M57938; NID:g331157; PIDN:AAA67457.1; PID:g331158

Query Match 100.0%; Score 31; DB 2; Length 622;  
Best Local Similarity 45.5%; Pred. No. 5.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 31 EEVVPAGCITL 41

## RESULT 74

D82352

iron(III) ABC transporter, permease protein VC0203 [imported] - Vibrio cholerae (strain

C:Species: Vibrio cholerae

C>Date: 18-Aug-2000 #sequence\_revision 20-Aug-2000 #text\_change 02-Feb-2001

C:Accession: D82352

R:Heidelberg, J.F.; Eisen, J.A.; Nelson, W.C.; Clayton, R.A.; Gwinn, M.L.; Dodson, R.J.;

chardson, D.; Ermlaeva, M.D.; Vamathevan, J.; Bass, S.; Qin, H.; Dragoi, I.; Sellers, B.

L.; R.R.; Mekalanos, J.J.; Venter, J.C.; Fraser, C.M.

Nature 406, 477-483, 2000

A:Title: DNA sequence of both chromosomes of the cholera pathogen Vibrio cholerae.

A:Reference number: A82035; MUID:20406833; PMID:10952301

A:Accession: D82352

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-653 <HEI>

A:Cross-references: GB:AE004110; GB:AE003852; NID:g9654600; PIDN:AAF93379.1; GSPDB:GN001

A:Experimental source: serogroup O1; strain N16961; biotype El Tor

C:Genetics:

A:Gene: VC0203

A:Map position: 1

Query Match 100.0%; Score 31; DB 2; Length 653;  
Best Local Similarity 45.5%; Pred. No. 5.9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 300 EEVPSGITAA 310

## RESULT 75

T23108

hypothetical protein T11F9.12 - Caenorhabditis elegans

C:Species: Caenorhabditis elegans

C>Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 29-Oct-1999

C:Accession: T23108; T24845

R:White, S.

submitted to the EMBL Data Library, September 1998

A:Reference number: Z19680

A:Accession: T23108

A:Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA

A:Residues: 1-688 <WIL>

A:Cross-references: EMBL:AL031623; PIDN:CAA20938.1; GSPDB:GN00023; CESP:T11F9.12

A:Experimental source: clone H21M04

R:Lennard, N.

submitted to the EMBL Data Library, June 1996

A:Reference number: Z19941

A:Accession: T24845

A:Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA

A:Residues: 1-688 <WIL>

A:Cross-references: EMBL:Z74042; PIDN:CAA98537.1; GSPDB:GN00023; CESP:T11F9.12

A:Experimental source: clone T11F9

C:Genetics:

A:Gene: CESP:T11F9.12

A:Map position: 5

A:Introns: 44/1; 171/2; 176/3; 225/3; 414/2; 514/2; 625/2

Query Match 100.0%; Score 31; DB 2; Length 688;  
Best Local Similarity 45.5%; Pred. No. 6.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 384 EEVPEVPEPK 394

## RESULT 76

JCS061

macrophage-stimulating protein 1 precursor - rat

C:Species: Rattus norvegicus (Norway rat)

C>Date: 31-Jan-1997 #sequence\_revision 31-Jan-1997 #text\_change 16-Jun-2000

C:Accession: JCS061

R:Ohshiro, K.; Iwama, A.; Matsuno, K.; Ezaki, T.; Sakamoto, O.; Hamaguchi, I.; Takasu

Biochem. Biophys. Res. Commun. 227, 273-280, 1996

A:Title: Molecular cloning of rat macrophage-stimulating protein and its involvement

A:Reference number: JCS061; MUID:97011136; PMID:8858136

A:Accession: JCS061

A:Molecule type: mRNA

A:Residues: 1-716 <OHS>

A:Cross-references: EMBL:X95096; NID:gl669718; PIDN:CAA64473.1; PID:gl669719

C:Complex: disulfide-bonded heterodimer of chains derived from the same precursor

C:Superfamily: hepatocyte growth factor; kringle homology; trypsin homology

C:Keywords: duplication; glycoprotein; growth factor; kringle

F:1-31/Domain: signal sequence #status predicted <SIG>

F:32-488,489-716/Product: macrophage-stimulating protein 1 #status predicted <MAT>

F:32-488/Domain: macrophage-stimulating protein 1 alpha chain #status predicted <ACH>

F:191-268/Domain: kringle homology <KRI1>

F:292-370/Domain: kringle homology <KRI2>

F:379-457/Domain: kringle homology <KRI3>

F:489-716/Domain: kringle homology <KRI4>

F:489-709/Domain: macrophage-stimulating protein 1 beta chain #status predicted <BCH>

F:72,305,620/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 100.0%; Score 31; DB 1; Length 716;

Best Local Similarity 45.5%; Pred. No. 6.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:|||||

Db 372 EEVPEGCIYH 382

## RESULT 77

T29448

hypothetical protein F08F3.2 - Caenorhabditis elegans

C:Species: Caenorhabditis elegans

C>Date: 15-Oct-1999 #sequence\_revision 15-Oct-1999 #text\_change 15-Oct-1999

C:Accession: T29448

R:Blanchard, M.; Bradshaw, H.

submitted to the EMBL Data Library, July 1996

A:Description: The sequence of C. elegans cosmid F08F3.

A:Reference number: Z20620

A:Accession: T29448

A:Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA  
 A:Residues: 1-718 <BLA>  
 A:Cross-references: EMBL:U64847; PIDN:AAB04875.1; GSPDB:GN00023; CESP:F08F3.2  
 A:Experimental source: strain Bristol N2; clone F08F3  
 C:Genetics:  
 A:Gene: CESP:F08F3.2  
 A:Map position: 5  
 A:Introns: 42/3; 65/2; 156/3; 279/1; 310/3; 346/3; 406/1; 516/1; 552/3; 600/3; 667/1

Query Match 100.0%; Score 31; DB 2; Length 718;  
 Best Local Similarity 45.5%; Pred. No. 6.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 Db 25 EEVPPRRRYV 35

RESULT 78  
 S37384  
 catalase (EC 1.11.1.6) R - Aspergillus niger  
 C:Species: Aspergillus niger  
 C>Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 04-Mar-2000  
 C:Accession: S37384  
 R:Fowler, T.; Rey, M.W.; Vaehae-Vahe, P.; Power, S.D.; Berka, R.M.  
 Mol. Microbiol. 9, 989-998, 1993  
 A:Title: The catR gene encoding a catalase from Aspergillus niger: primary structure and  
 A:Reference number: S37384; MUID:95020642; PMID:7934925  
 A:Accession: S37384  
 A:Status: not compared with conceptual translation  
 A:Molecule type: DNA  
 A:Residues: 1-730 <FOW>  
 A:Cross-references: GB:223138; NID:9840715; PIDN:CAA80669.1; PID:g840716; GB:L15474; NID  
 A:Note: the authors translated the codon ACT for residue 64 as Phe  
 A:Comment: This catalase is unusual in that Ile-178 replaces the Asn found at the homolog  
 important. In all catalases, this position is followed immediately by another Asn, so we  
 C:Genetics:  
 A:Gene: catR  
 A:Introns: 98/3; 174/1; 312/3; 367/3  
 C:Superfamily: catalase  
 C:Keywords: chromoprotein; heme; iron; metalloprotein; oxidoreductase  
 F:105,144,179/Active site: His, Ser, Asn #status predicted  
 F:392/Binding site: heme iron (Tyr) (axial ligand) #status predicted

Query Match 100.0%; Score 31; DB 2; Length 730;  
 Best Local Similarity 45.5%; Pred. No. 6.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 Db 339 EEVVPYTLGM 349

RESULT 79  
 A55314  
 glycine-tRNA ligase (EC 6.1.1.14) precursor [validated] - human  
 N:Alternate names: glycyl-tRNA synthetase  
 C:Species: Homo sapiens (man)  
 C>Date: 06-Feb-1995 #sequence\_revision 06-Feb-1995 #text\_change 03-Jun-2002  
 C:Accession: A55314; A55400; S55043; S71154  
 R:Shiba, K.; Schimmel, P.; Motegi, H.; Noda, T.  
 J. Biol. Chem. 269, 30049-30055, 1994  
 A:Title: Human glycyl-tRNA synthetase. Wide divergence of primary structure from bacteri  
 A:Reference number: A55314; MUID:95050870; PMID:7962006  
 A:Accession: A55314  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 1-739 <SHI>  
 A:Cross-references: GB:D30658; NID:9577711; PIDN:BAA06338.1; PID:g1311463  
 A:Note: it is uncertain whether Met-1 or Met-55 is the initiator  
 R:Ge, Q.; Trieu, E.P.; Targoff, I.N.  
 J. Biol. Chem. 269, 28790-28797, 1994  
 A:Title: Primary structure and functional expression of human glycyl-tRNA synthetase, an

A:Reference number: A55400; MUID:95050687; PMID:7961834  
 A:Accession: A55400  
 A:Status: preliminary  
 A:Molecule type: mRNA  
 A:Residues: 55-739 <GEA>  
 A:Cross-references: GB:U09587; NID:g600726; PIDN:AAA57001.1; PID:g600727  
 R:Williams, J.; Osvath, S.; Khong, T.F.; Pearce, M.; Power, D.  
 Nucleic Acids Res. 23, 1307-1310, 1995  
 A:Title: Cloning, sequencing and bacterial expression of human glycine tRNA synthetase  
 A:Reference number: S55043; MUID:95273165; PMID:7753621  
 A:Accession: S55043  
 A:Status: nucleic acid sequence not shown  
 A:Molecule type: mRNA  
 A:Residues: 55-739 <WIL>  
 A:Cross-references: EMBL:U09510  
 R:Williams, J.H.  
 submitted to the EMBL Data Library, May 1994  
 A:Reference number: S71154  
 A:Accession: S71154  
 A:Molecule type: mRNA  
 A:Residues: 55-529, 1', 531-739 <WIW>  
 A:Cross-references: EMBL:U09510; NID:g595304; PIDN:AAA86443.1; PID:g493066  
 C:Genetics:  
 A:Gene: GDB:GARS; GLYRS  
 A:Cross-references: GDB:455231; OMIM:600287  
 A:Map position: 7p15-7p15  
 C:Function:  
 A:Description: EC 6.1.1.14 [validated, MUID:95273165]  
 A:Pathway: protein biosynthesis  
 C:Superfamily: human glycine-tRNA ligase; amino acid-tRNA ligase repeat homology  
 C:Keywords: aminoacyl-tRNA synthetase; ATP; ligase; protein biosynthesis  
 F:74-119/Domain: amino acid-tRNA ligase repeat homology <ATL>

Query Match 100.0%; Score 31; DB 2; Length 739;  
 Best Local Similarity 45.5%; Pred. No. 6.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 Db 568 EEVVPNVIEPS 578

RESULT 80  
 T41622  
 Probable ABC transporter - fission yeast (Schizosaccharomyces pombe)  
 C:Species: Schizosaccharomyces pombe  
 C>Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 03-Dec-1999  
 C:Accession: T41622  
 R:Aert, R.; Voickaert, G.; McDougall, R.C.; Rajandream, M.A.; Barrell, B.G.  
 submitted to the EMBL Data Library, October 1999  
 A:Reference number: Z21735  
 A:Accession: T41622  
 A:Status: preliminary; translated from GB/EMBL/DDBJ

A:Molecule type: DNA  
 A:Residues: 1-822 <AER>  
 A:Cross-references: EMBL:AL122011; PIDN:CAB58409.1; GSPDB:GN00068; SPDB:SPCC825.01  
 A:Experimental source: strain 972h; cosmid c825  
 C:Genetics:  
 A:Gene: SPDB:SPCC825.01  
 A:Map position: 3

Query Match 100.0%; Score 31; DB 2; Length 822;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
 Db 68 EEVVPVKKKPS 78

RESULT 81  
 T41358

hypothetical protein SPCC463.18 - fission yeast (Schizosaccharomyces pombe)

C:Species: Schizosaccharomyces pombe  
 C:Date: 03-Dec-1999 #sequence\_revision 03-Dec-1999 #text\_change 04-Mar-2000  
 C:Accession: T41358  
 R:Wood, V.; Rajandream, M.A.; Barrell, B.G.; Hilbert, H.; Duesterhoeft, A.  
 submitted to the EMBL Data Library, March 1998  
 A:Reference number: Z21918  
 A:Accession: T41358  
 A:Status: preliminary; translated from GB/EMBL/DBJ  
 A:Molecule type: DNA  
 A:Residues: 1-828 <WOO>  
 A:Cross-references: EMBL:Z97052; PIDN:CAR09765.1; GSPDB:GN00068; SPDB:SPCC4G3.18  
 A:Experimental source: strain 972h-; cosmid C4G3  
 C:Genetics:  
 A:Gene: SPDB:SPCC4G3.18  
 A:Map position: 3  
 C:Superfamily: Schizosaccharomyces pombe hypothetical protein SPCC4G3.18

Query Match 100.0%; Score 31; DB 2; Length 828;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 200 EEVVPSSLOKK 210

RESULT 82  
 S48975  
 hypothetical protein YHR131c - yeast (Saccharomyces cerevisiae)  
 C:Species: Saccharomyces cerevisiae  
 C:Date: 02-Dec-1994 #sequence\_revision 02-Dec-1994 #text\_change 19-Apr-2002  
 C:Accession: S48975  
 R:Fulton, L.

submitted to the EMBL Data Library, June 1994  
 A:Description: The sequence of S. cerevisiae cosmid 9315.  
 A:Reference number: S48967

A:Accession: S48975  
 A:Molecule type: DNA  
 A:Residues: 1-840 <FUL>  
 A:Cross-references: EMBL:U10398; NID:g551328; PID:g500681; GSPDB:GN00008; MIPS:YHR131c  
 C:Genetics:  
 A:Gene: MIPS:YHR131c  
 A:Cross-references: SGD:S0001173  
 A:Map position: 8R

Query Match 100.0%; Score 31; DB 2; Length 840;  
 Best Local Similarity 45.5%; Pred. No. 7.8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 514 EEVPIKFPNS 524

RESULT 83  
 S72541  
 nitrate reductase (NADH) (EC 1.7.1.1) [similarity] - Chlorella vulgaris  
 C:Species: Chlorella vulgaris  
 C:Date: 19-Mar-1998 #sequence\_revision 17-Apr-1998 #text\_change 03-Jun-2002  
 C:Accession: S72541  
 R:Cannons, A.C.; Dawson, H.N.; Pendleton, L.C.  
 Plant Mol. Biol. 30, 685, 1996  
 A:Title: Sequence announcement.  
 A:Reference number: S72541  
 A:Accession: S72541  
 A:Status: preliminary; nucleic acid sequence not shown; translation not shown  
 A:Molecule type: mRNA  
 A:Residues: 1-877 <CAN>  
 A:Cross-references: EMBL:U39930; NID:g1113860; PIDN:ARC49459.1; PID:g1113861  
 A:Note: the nucleotide sequence was submitted to the EMBL Data Library, November 1995  
 C:Superfamily: nitrate reductase (NADH); cytochrome b5 core homology; cytochrome-b5 reductase  
 C:Keywords: heme; iron; metalloprotein; molybdenum; molybdopterin; oxidoreductase; phospho  
 F:61-448/Domain: molybdopterin-binding domain homology <PCO>

F:502-576/Domain: cytochrome b5 core homology <CB5>  
 F:630-877/Domain: cytochrome-b5 reductase homology <CBR>  
 F:163/Binding site: molybdopterin (Cys) (covalent) #status predicted  
 F:537,560/Binding site: heme iron (His) (axial ligands) #status predicted

Query Match 100.0%; Score 31; DB 2; Length 877;  
 Best Local Similarity 45.5%; Pred. No. 8.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 343 EEVPLAAGTY 353

## RESULT 84

AC3384  
 ribonuclease E / zinc metalloproteinase (EC 3.4.24.-) [imported] - Brucella melitensis  
 C:Species: Brucella melitensis  
 C:Date: 01-Feb-2002 #sequence\_revision 01-Feb-2002 #text\_change 01-Feb-2002  
 C:Accession: AC3384  
 R:DelVecchio, V.G.; Kapral, V.; Redkar, R.J.; Patra, G.; Mujar, C.; Los, T.; Ivanov  
 Proc. Natl. Acad. Sci. U.S.A. 99, 443-448, 2002

A:Title: The genome sequence of the facultative intracellular pathogen Brucella melitensis  
 A:Reference number: AD3252; PMID:11756688  
 A:Accession: AC3384  
 A:Status: preliminary  
 A:Molecule type: DNA  
 A:Residues: 1-891 <KUR>

A:Cross-references: GB:AE008917; PIDN:AAL52238.1; PID:g17983023; GSPDB:GN00190  
 A:Experimental source: strain 16M  
 C:Genetics:  
 A:Gene: BME11057  
 A:Map position: I  
 C:Keywords: hydrolase; metalloproteinase

Query Match 100.0%; Score 31; DB 2; Length 891;  
 Best Local Similarity 45.5%; Pred. No. 8.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 818 EEVPEKPARR 828

## RESULT 85

S01909  
 hairy wing suppressor protein - fruit fly (Drosophila melanogaster)  
 C:Species: Drosophila melanogaster  
 C:Date: 31-Dec-1990 #sequence\_revision 31-Dec-1990 #text\_change 02-Nov-2001  
 C:Accession: S01909; S10135

R:Parkhurst, S.M.; Harrison, D.A.; Remington, M.P.; Spana, C.; Kelley, R.L.; Coyne, R.  
 Genes Dev. 2, 1205-1215, 1988  
 A:Title: The Drosophila su(Hw) gene, which controls the phenotypic effect of the wings

A:Reference number: S01909; MUID:89078995; PMID:2462523

A:Accession: S01909  
 A:Molecule type: DNA  
 A:Residues: 1-944 <PAR>  
 R:Corces, V.G.

submitted to the EMBL Data Library, September 1988

A:Reference number: S10135  
 A:Accession: S10135  
 A:Molecule type: DNA  
 A:Residues: 1-60, 'G', '62-248, 'R', '250-944 <COR>  
 C:Genetics:

A:Gene: FlyBase:su(Hw)

A:Cross-references: FlyBase:FBgn0003567

A:Introns: 286/3; 429/2; 473/3; 537/2; 579/1

C:Keywords: DNA binding; nucleus; transcription regulation; zinc finger

Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 944;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

T31111  
ATPase 1 (EC 3.6.1.-), p-type - yeast (*Schwanniomyces occidentalis*)  
C:Species: *Schwanniomyces occidentalis*  
C:Date: 22-Oct-1999 #sequence\_revision 22-Oct-1999 #text\_change 18-Aug-2000  
C:Accession: T31111  
R:Bannulos, M.A.; Rodriguez-Navarro, A.  
J. Biol. Chem. 273, 1640-1646, 1998  
A:Title: p-type ATPases mediate sodium and potassium effluxes in *Schwanniomyces occidentalis*

**MALICIES**      **J; CONSERVATIVE**      **V, MISMALENCES**      **V, THICKS**      **V, CAPPS**

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 160 EEVVPDIVHI 170

## RESULT 91

T33759

hypotheical protein Y66H1B.3 - Caenorhabditis elegans

C:Species: Caenorhabditis elegans

C:Date: 29-Oct-1999 #sequence\_revision 29-Oct-1999 #text\_change 29-Oct-1999

C:Accession: T33759

R:Clarke, K.; Wohldmann, P.

submitted to The EMBL Data Library, October 1998

A:Description: The sequence of C. elegans cosmid Y66H1B.

A:Reference number: Z21401

A:Accession: T33759

A:Status: preliminary; translated from GB/EMBL/DBDJB

A:Molecule type: DNA

A:Residues: 1-1084 &lt;CLA&gt;

A:Cross-references: EMBL:AF100673; PIDN:AA69000.1; GSPDB:GN00022; CBSP:Y66H1B.3

A:Experimental source: strain Bristol N2; clone Y66H1B

C:Genetics:

A:Gene: CBSP:Y66H1B.3

A:Map position: 4

A:Introns: 12/3; 50/3; 108/1; 166/1; 353/3; 446/1; 624/3; 809/3; 843/1

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1084;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:||||:  
 Db 11 EEVVPDIRHDD 21

## RESULT 92

H96796

hypotheical protein F28O16.19 [imported] - Arabidopsis thaliana

C:Species: Arabidopsis thaliana (mouse-ear cress)

C:Date: 02-Mar-2001 #sequence\_revision 02-Mar-2001 #text\_change 31-Mar-2001

C:Accession: H96796

R:Rheologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso,

Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.;

ansen, N.F.; Hughes, B.; Huizar, L.

Nature 408, 816-820, 2000

A:Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.

C.A.; Li, J.H.; Li, Y.; Liu, X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali,

Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.

A:Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon,

ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.

A:Title: Sequence and analysis of chromosome 1 of the plant Arabidopsis.

A:Reference number: A86141; MUID:21016719; PMID:11130712

A:Accession: H96796

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-1146 &lt;STO&gt;

A:Cross-references: GB:AE005173; NID:g6143897; PIDN:AAF04443.1; GSPDB:GN00141

C:Genetics:

A:Gene: F28O16.19

A:Map position: 1

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1146;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:||||:  
 Db 86 EEVVPDFAFV 96

## RESULT 93

S22624

aggregation protein aspl - Enterococcus faecalis plasmid pPD1

C:Species: Enterococcus faecalis

C:Date: 19-Mar-1997 #sequence\_revision 25-Apr-1997 #text\_change 26-Aug-1999

C:Accession: S22624

R:Galli, D.; Friesenegger, A.; Wirth, R.

Mol. Microbiol. 6, 1297-1308, 1992

A:Title: Transcriptional control of sex-pheromone-inducible genes on plasmid pAD1 of

A:Reference number: S22624; MUID:92349958; PMID:1640831

C:Accession: S22624

A:Status: preliminary; translation not shown

A:Molecule type: DNA

A:Residues: 1-1306 &lt;GAL&gt;

A:Cross-references: EMBL:X62656; NID:g43323; PIDN:CAA44520.1; PID:g43324

C:Genetics:

A:Gene: aspl

A:Genome: plasmid pPD1

C:Superfamily: aggregation protein asal

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1306;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:||||:  
 Db 91 EEVVPKIAAE 101

## RESULT 94

T51920

probable xanthine dehydrogenase [imported] - Neurospora crassa

N:Alternate names: protein B23i11.320

C:Species: Neurospora crassa

C:Date: 20-Oct-2000 #sequence\_revision 20-Oct-2000 #text\_change 01-Dec-2000

C:Accession: T51920

R:Schulte, U.; Aign, V.; Hoheisel, J.; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatu

submitted to the Protein Sequence Database, August 2000

A:Reference number: Z25858

A:Accession: T51920

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-1364 &lt;SCH&gt;

A:Cross-references: EMBL:AL391572; GSPDB:GN001116; NCSP:B23i11.320

A:Experimental source: BAC clone B23i11; strain OR74A

C:Genetics:

A:Gene: NCSP:B23i11.320

A:Map position: 6

A:Introns: 66/2; 1321/3

C:Superfamily: xanthine dehydrogenase; ferredoxin [2Fe-2S] homology

C:Keywords: 2Fe-2S; metalloprotein

F:68,73,76,98/Binding site: 2Fe-2S cluster (Cys) (covalent) #status predicted

## Query Match

Best Local Similarity 100.0%; Score 31; DB 2; Length 1364;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:||||:  
 Db 570 EEVPELEREI 580

## RESULT 95

AB1960

two-component sensor histidine kinase alr1229 [imported] - Nostoc sp. (strain PCC 712

C:Species: Nostoc sp.

C:Note: Nostoc sp. strain PCC 7120 is a synonym of Anabaena sp. strain PCC 7120

C:Date: 14-Dec-2001 #sequence\_revision 14-Dec-2001 #text\_change 30-Jun-2002

C:Accession: AB1960

R:Kaneko, T.; Nakamura, Y.; Wolk, C.P.; Kuritz, T.; Sasamoto, S.; Watanabe, A.; Irigu

Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Tabata

DNA Res. 8, 205-213, 2001

A:Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium

A:Reference number: AB1807; MUID:21595285; PMID:11759840

A:Accession: AB1960

A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-1749 <KUR>  
A:Cross-references: GB:BA000019; PIDN:BA073186.1; PID:g17130576; GSPDB:GNO0179  
A:Experimental source: strain POC 7120  
C:Genetics:  
A:Gene: alr1229

Query Match 100.0%; Score 31; DB 2; Length 1749;  
Best Local Similarity 45.5%; Pred. No. 1.8e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:.....  
Db 1085 EEVVPHEGLH 1095

## RESULT 96

H71527  
probable excinuclease ABC chain A - Chlamydia trachomatis (serotype D, strain UW3/Cx)  
C:Species: Chlamydia trachomatis  
C:Date: 10-Sep-1999 #sequence\_revision 10-Sep-1999 #text\_change 10-Sep-1999  
C:Accession: H71527  
R:Stephens, R.S.; Kalman, S.; Lammel, C.J.; Fan, J.; Marathe, R.; Aravind, L.; Mitchell, Science 282, 754-759, 1998  
A:Title: Genome sequence of an obligate intracellular pathogen of humans: Chlamydia trachomatis  
A:Reference number: A71570; MUID:99000809; PMID:9784136  
A:Accession: H71527  
A:Status: preliminary  
A:Molecule type: DNA  
A:Residues: 1-1786 <ARN>  
A:Cross-references: GB:AE001306; GB:AE001273; NID:g3328748; PID:g3328752  
A:Experimental source: serotype D, strain UW-3/Cx  
C:Genetics:  
A:Gene: uvrA  
C:Superfamily: Chlamydia trachomatis probable excinuclease ABC chain A; ATP-binding cassette  
F:608-883/Domain: ATP-binding cassette homology <ABCE>

Query Match 100.0%; Score 31; DB 1; Length 1786;  
Best Local Similarity 45.5%; Pred. No. 1.8e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:.....  
Db 178 EEVVPHKFLT 188

## RESULT 97

S00485  
gene 11-1 protein precursor - malaria parasite (Plasmodium falciparum) (fragments)  
C:Species: Plasmodium falciparum  
C:Date: 07-Jun-1990 #sequence\_revision 07-Jun-1990 #text\_change 09-Jun-2000  
C:Accession: S00485  
R:Scherf, A.; Hilbich, C.; Siegel, K.; Mattei, D.; Mercereau-Puijalon, O.; Mueller-Hill, B. EMBO J. 7, 1129-1137, 1988  
A:Title: The 11-1 gene of Plasmodium falciparum codes for distinct fast evolving repeats  
A:Reference number: S00485; MUID:88296416; PMID:2841111  
A:Accession: S00485  
A:Molecule type: DNA  
A:Residues: 1-1315; 1316-1485; 1486-1657; 1658-1729; 1730-1948 <SCH>  
A:Cross-references: EMBL:X07453  
C:Comment: This protein is associated with the membrane of red blood cells at the schizont stage.  
C:Genetics:  
A:Gene: 11-1  
A:Introns: 71/3  
C:Keywords: tandem repeat  
F:1-71/Domain: signal sequence #status predicted <SIG>  
F:72-1948/Product: gene 11-1 protein (fragments) #status predicted <MAT>

Query Match 100.0%; Score 31; DB 2; Length 1948;  
Best Local Similarity 45.5%; Pred. No. 2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:.....  
Db 851 EEVVPPEELVEE 861

## RESULT 98

T08164  
dynein alpha heavy chain - Chlamydomonas reinhardtii (fragment)  
C:Species: Chlamydomonas reinhardtii  
C:Date: 21-May-1999 #sequence\_revision 21-May-1999 #text\_change 02-Feb-2001  
C:Accession: T08164  
R:Mitchell, D.R.; Brown, K.S. J. Cell Sci. 107, 635-644, 1994  
A:Title: Sequence analysis of the Chlamydomonas alpha and beta dynein heavy chain genes  
A:Reference number: 216302; MUID:94274778; PMID:8006077  
A:Accession: T08164  
A:Status: preliminary; translated from GB/EMBL/DBJ  
A:Molecule type: DNA  
A:Residues: 1-2405 <MIT>  
A:Cross-references: EMBL:L26049; NID:g415679; PIDN:AAA57316.1; PID:g603079  
A:Experimental source: strain 21gr  
C:Genetics:  
A:Gene: ODALL  
A:Note: Intron positions not resolved (incomplete sequence)  
C:Superfamily: dynein heavy chain, ciliary  
C:Keywords: nucleotide binding; P-loop  
F:575-582/Region: nucleotide-binding motif A (P-loop)

Query Match 100.0%; Score 31; DB 2; Length 2405;  
Best Local Similarity 45.5%; Pred. No. 2.5e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:.....  
Db 352 EEVVPGRPKA 362

## RESULT 99

JQ1661  
genome polyprotein - soybean mosaic virus (strain G2)  
N:Contains: 27K protein; 35K protein; 42K protein; 6K protein; coat protein; cylind  
C:Species: soybean mosaic virus, SBMV  
C:Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 19-Jan-2001  
C:Accession: JQ1661  
R:Jayaram, C.; Hill, J.H.; Miller, W.A. J. Gen. Virol. 73, 2067-2077, 1992  
A:Title: Complete nucleotide sequences of two soybean mosaic virus strains differ  
A:Reference number: JQ1661; MUID:92356085; PMID:1645142  
A:Accession: JQ1661  
A:Molecule type: genomic RNA  
A:Residues: 1-3066 <JAY>  
A:Cross-references: GB:S42280; NID:g253297; PIDN:AAB22819.2; PID:g5705963  
C:Superfamily: tobacco etch virus genome polyprotein  
C:Keywords: ATP; coat protein; cylindrical inclusion protein; genome-linked protein  
F:1-308/Product: 35K protein #status predicted <PRI>  
F:309-765/Product: helper component-protein #status predicted <HCP>  
F:766-1164/Product: 42K protein #status predicted <PT2>  
F:1165-1798/Product: cylindrical inclusion protein #status predicted <CI>  
F:1249-1256/Region: nucleotide-binding motif A (P-loop)  
F:1334-1339/Region: nucleotide-binding motif B  
F:1338-1341/Region: DEXH motif  
F:1799-1852/Product: 6K protein #status predicted <PT3>  
F:1853-2041/Product: VPg protein #status predicted <VPg>  
F:2042-2284/Product: 27K protein #status predicted <PT4>  
F:2285-2801/Product: RNA-directed RNA polymerase #status predicted <POL>  
F:2802-3066/Product: coat protein #status predicted <COP>  
F:1915/Binding site: phosphoryl-RNA (Tyr) (covalent) #status predicted

Query Match 100.0%; Score 31; DB 1; Length 3066;  
Best Local Similarity 45.5%; Pred. No. 3.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Search completed: May 29, 2003, 16:59:11  
Job time : 40 secs

QY 1 EEVVPXXXXX 11  
|||||:.....  
Db 532 EEVVPSEGYK 542

## RESULT 100

JQ1662  
genome polyprotein - soybean mosaic virus (strain G7)  
N:Contains: 27K protein; 35K protein; 42K protein; 6K protein; coat protein; cylindrical  
C:Species: soybean mosaic virus, SBMV  
C:Date: 31-Dec-1993 #sequence\_revision 31-Dec-1993 #text\_change 19-Jan-2001  
C:Accession: JQ1662  
R:Jayaram, C.; Hill, J.H.; Miller, W.A.  
J. Gen. Virol. 73, 2067-2077, 1992  
A:Title: Complete nucleotide sequences of two soybean mosaic virus strains differentiated  
A:Reference number: JQ1661; MUID:92356085; PMID:1645142  
A:Accession: JQ1662  
A:Molecule type: genomic RNA  
A:Residues: 1-3066 <JAY>  
A:Cross-references: GB:S42280  
A:Note: the authors translated the codon TTG for residue 2358 as Phe  
C:Superfamily: tobacco etch virus genome polyprotein  
C:Keywords: ATP; coat protein; cylindrical inclusion protein; genome-linked protein; nucle  
F:1-308/Product: 35K protein #status predicted <PT1>  
F:309-765/Product: helper component-protein #status predicted <HCP>  
F:766-1164/Product: 42K protein #status predicted <PT2>  
F:1165-1798/Product: cylindrical inclusion protein #status predicted <CIP>  
F:1249-1256/Region: nucleotide-binding motif A (P-loop)  
F:1334-1339/Region: nucleotide-binding motif B  
F:1338-1341/Region: DEXH motif  
F:1799-1852/Product: 6K protein #status predicted <PT3>  
F:1853-2041/Product: VPg protein #status predicted <VPG>  
F:2042-2284/Product: 27K protein #status predicted <PT4>  
F:2285-2801/Product: RNA-directed RNA polymerase #status predicted <POL>  
F:2802-3066/Product: coat protein #status predicted <CP>  
F:1915/Binding site: phosphoryl-RNA (Tyr) (covalent) #status predicted

Query Match 100.0%; Score 31; DB 1; Length 3066;  
Best Local Similarity 45.5%; Pred. No. 3.3e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:.....  
Db 532 EEVVPSEGYK 542

## RESULT 101

I38346  
elastic titin - human (fragment)  
C:Species: Homo sapiens (man)  
C:Date: 29-May-1998 #sequence\_revision 29-May-1998 #text\_change 21-Jul-2000  
C:Accession: I38346  
R:Labeit, S.; Kolmerer, B.  
Science 270, 293-296, 1995  
A:Title: Titins: giant proteins in charge of muscle ultrastructure and elasticity.  
A:Reference number: A57430; MUID:96026330; PMID:7569978  
A:Accession: I38346  
A:Status: preliminary; translated from GB/EMBL/DBJ  
A:Molecule type: mRNA  
A:Residues: 1-7962 <RES>  
A:Cross-references: EMBL:X90569; NID:g1017426; PIDN:CAA62189.1; PID:g1017427  
C:Genetics:  
A:Gene: GDB:TTN  
A:Cross-references: GDB:I27867; OMIM:188840  
A:Map position: 2q31-2q31

Query Match 100.0%; Score 31; DB 2; Length 7962;  
Best Local Similarity 45.5%; Pred. No. 9.4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:.....  
Db 6605 EEVVPVPIKV 6615



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:39 ; Search time 11 Seconds  
(without alignments)  
41.476 Million cell updates/sec

Title: AUDET-909164-5  
Perfect score: 31  
Sequence: 1 eevvpXXXXX 11

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 112892 seqs, 41476328 residues  
Total number of hits satisfying chosen parameters: 45

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 600 summaries

Database : SwissProt\_40.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	31	100.0	115	1 PSBW_PORPU	P51347 porphyra pu
2	31	100.0	121	1 TRNK_HUMAN	Q9uhf0 homo sapien
3	31	100.0	165	1 SPRT_ECOLI	P39902 escherichia
4	31	100.0	188	1 RL5_AQUAE	O67568 aquifex aeo
5	31	100.0	188	1 RL5_AQUAE	O9zi40 aquifex pyr
6	31	100.0	198	1 CAS1_CAVPO	P04656 cavia porce
7	31	100.0	240	1 US19_HCMVA	P09725 human cytom
8	31	100.0	274	1 RS2_AQUAE	O67809 aquifex aeo
9	31	100.0	304	1 ERA_BACHD	O9kd52 bacillus ha
10	31	100.0	305	1 PYRB_SERMA	P19910 serratia ma
11	31	100.0	309	1 PYRB_VIBS2	P96174 vibrio sp.
12	31	100.0	311	1 PYRB_YERPE	O8zb39 yersinia pe
13	31	100.0	318	1 NIA_CHLVU	G01170 chlorella v
14	31	100.0	319	1 YHAI_CRYPA	P10941 cryptonectr
15	31	100.0	335	1 PTP1_YEAST	P25044 saccharomyc
16	31	100.0	338	1 MTBA_METBA	O30640 methanosarc
17	31	100.0	342	1 RALB_TODPA	P49193 todarodes p
18	31	100.0	356	1 LPXB_AQUAE	O67420 aquifex aeo
19	31	100.0	393	1 DEOB_BACHD	O9kcn9 bacillus ha
20	31	100.0	394	1 DEOB_BACSU	P46353 bacillus su
21	31	100.0	399	1 NTG1_YEAST	P31378 saccharomyc
22	31	100.0	401	1 ALKB_PSEOL	P12691 pseudomonas
23	31	100.0	407	1 THII_STAAM	Q931p5 staphylococ
24	31	100.0	407	1 YHAI_CRYPA	O10523 mycobacteri
25	31	100.0	414	1 YHAI_CRYPA	P75908 escherichia
26	31	100.0	452	1 YCDT_ECOLI	O15231 homo sapien
27	31	100.0	457	1 TRNK_HUMAN	P18412 saccharomyc
28	31	100.0	486	1 TECL_YEAST	O15228 homo sapien
29	31	100.0	680	1 DAPT_HUMAN	Q29249 caenorhabdi
30	31	100.0	718	1 PLSB_CAEEL	O9czd3 mus musculu
31	31	100.0	729	1 SYG_MOUSE	P55303 aspergillus
32	31	100.0	730	1 CATR_ASPNG	P41250 homo sapien
33	31	100.0	739	1 SYG_MOUSE	

34	31	100.0	748	1 KHL1_HUMAN	Q9nr64 homo sapien
35	31	100.0	754	1 Y4QF_RHISN	P55627 rhizobium s
36	31	100.0	840	1 YHT1_YEAST	P38835 saccharomyc
37	31	100.0	944	1 SUHW_DROME	P08970 drosophila
38	31	100.0	1406	1 TOPI_CANGA	O93794 candida gla
39	31	100.0	1499	1 ALOC_HUMAN	O60312 homo sapien
40	31	100.0	1786	1 UVR4_CHLTR	O84337 chlamydia t
41	31	100.0	3066	1 POLG_BCMVN	Q65399 b genome po
42	31	100.0	3066	1 POLG_SBMVG	Q90069 s genome po
43	31	100.0	3086	1 POLG_SBMVN	P21231 s genome po
44	31	100.0	3099	1 POLG_PEMVM	O56075 p genome po
45	31	100.0	4499	1 DYHA_CHLRE	Q39610 chlamydomon

ALIGNMENTS

RESULT 1

PSBW\_PORPU STANDARD; PRT; 115 AA.

AC P51347:

DT 01-OCT-1996 (Rel. 34, Created)

DT 01-OCT-1996 (Rel. 34, Last sequence update)

DT 15-JUL-1998 (Rel. 36, Last annotation update)

DE Photosystem II reaction center W protein.

GN PSBW.

OS Porphyra purpurea.

OG Chloroplast.

OC Eukaryota; Rhodophyta; Bangiophyceae; Bangiales; Porphyra.

OX NCBI\_TaxID=2787;

RN [1]

RP SEQUENCE FROM N.A.

RC STRAIN=Avonport;

RA Reith M.E., Munnolland J.;

RT "Complete nucleotide sequence of the Porphyra purpurea chloroplast genome.";

RT Plant Mol. Biol. Rep. 13:333-335(1995).

RL FUNCTION: SUBUNIT OF THE WATER OXIDATION COMPLEX OF PHOTOSYSTEM II

CC -!- SIMILARITY: BELONGS TO THE PSBW FAMILY.

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CC or send an email to [license@isb-sib.ch](mailto:license@isb-sib.ch)).

CC EMBL; U38804; AAC08233.1; .

DR Photosynthesis; Photosystem II; Thylakoid; Membrane; Chloroplast.

KW SEQUENCE 115 AA; 12966 MW; B480F99CB15FA08C CRC64;

SQ

Query Match 100.0%; Score 31; DB 1; Length 115;

Best Local Similarity 45.5%; Pred. No. 32;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 12 EEVVPDVRLTR 22

RESULT 2

TRNK_HUMAN	STANDARD;	PRT;	121 AA.
ID	Q9UHFO;		
AC	Q9UHFO;		
DT	16-OCT-2001 (Rel. 40, Created)		
DT	16-OCT-2001 (Rel. 40, Last sequence update)		
DT	16-OCT-2001 (Rel. 40, Last annotation update)		
DE	Neurokinin B precursor (NKB) (Neuromedin K) (ZNEUROK1).		
GN	TAC3.		
OS	Homo sapiens (Human).		
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		

OC Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.  
 RN NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Sheppard P., Jelinek L., Whitmore T., Blumberg H., Lehner J.,  
 RA O'Hara P.,  
 RL Submitted (SEP-1999) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC TISSUE=Placenta;  
 RX MEDLINE=20322570; PubMed=10866201;  
 RA Page N.M., Woods R.J., Gardiner S.M., Lomthasong K., Gladwell R.T.,  
 RA Butler D.J., Manyonda I.T., Lowry P.J.;  
 RT "Excessive placental neurokinin B secretion during the third trimester  
 causes pre-eclampsia."  
 RL Nature 405:797-800(2000).  
 CC -!- FUNCTION: TACHYKININS ARE ACTIVE PEPTIDES WHICH EXCITE NEURONS,  
 CC EVOKE BEHAVIORAL RESPONSES, ARE POTENT VASODILATORS AND  
 CC SECRETAGOGUES, AND CONTRACT (DIRECTLY OR INDIRECTLY) MANY SMOOTH  
 CC MUSCLES (BY SIMILARITY).  
 CC -!- SUBCELLULAR LOCATION: Secreted.  
 CC -!- DEVELOPMENTAL STAGE: In pregnancy, the expression of NK1 is  
 CC confined to the outer syncytiotrophoblast of the placenta,  
 CC significant concentrations of NK1 can be detected in plasma as  
 CC early as week 9, and plasma concentrations of NK1 are grossly  
 CC elevated in pregnancy-induced hypertension and pre-eclampsia.  
 CC -!- SIMILARITY: BELONGS TO THE TACHYKININ FAMILY.  
 CC -----  
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 CC -----  
 DR EMBL; AF186112; AAF01430.1; -;  
 DR EMBL; AF216586; AAF76980.1; -;  
 DR Genbank; HGNC:11521; TAG3.  
 DR MTM; 162330.  
 DR InterPro; IPR003635; Neurokinin.  
 DR InterPro; IPR002040; Tachykinin.  
 DR ProDom; PD020370; Neurokinin; 1.  
 DR PROSITE; PS00267; TACHYKININ; 1.  
 KW Tachykinin; Neuropeptide; Cleavage on pair of basic residues;  
 KW Amidation; Signal.  
 FT SIGNAL 1 16 POTENTIAL.  
 FT PROPEP 17 78 BY SIMILARITY.  
 FT PEPTIDE 81 90 NEUROKININ B.  
 FT PROPEP 94 121 BY SIMILARITY.  
 FT MOD\_RES 90 90 AMIDATION (G-91 PROVIDE AMIDE GROUP) (BY  
 FT SIMILARITY).  
 SQ SEQUENCE 121 AA; 13438 MW; 14C9AFEZE9E9DECA CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 121;  
 Best Local Similarity 45.5%; Pred. No. 34;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 28 EEVVPGGGRSK 38  
 RESULT 3  
 SPRT\_ECOLI STANDARD; PRT; 165 AA.  
 AC P3902;  
 DT 01-FEB-1995 (Rel. 31, Created)  
 DT 01-FEB-1995 (Rel. 31, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE Protein sprt.  
 GN SPRT OR B294.  
 OS Escherichia coli.

OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;  
 OC Escherichia.  
 RN NCBI\_TaxID=562;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Utsumi R., Suzuki T.;  
 RL Submitted (FEB-1996) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RA Roberts P.E.;  
 RL Thesis (1992), University of Cambridge, U.K.  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=K12 / MG1655;  
 RX MEDLINE=97426617; PubMed=9278503;  
 RA Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,  
 RA Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,  
 RA Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,  
 RA Mau B., Shao Y.;  
 RT "The complete genome sequence of Escherichia coli K-12."  
 RL Science 277:1233-1474 (1997).  
 RN [4]  
 RP SEQUENCE OF 70-165 FROM N.A.  
 RC STRAIN=K12 / W3110;  
 RX MEDLINE=94156871; PubMed=8113204;  
 RA Jekel M., Wackernagel W.;  
 RT "Location of the endA gene coding for endonuclease I on the physical  
 RT map of the Escherichia coli K-12 chromosome."  
 RL J. Bacteriol. 176:1550-1551(1994).  
 RN [5]  
 RP IDENTIFICATION.  
 RX MEDLINE=95075659; PubMed=7984428;  
 RA Borodovsky M., Rudd K.E., Koonin E.V.;  
 RT "Intrinsic and extrinsic approaches for detecting genes in a  
 RT bacterial genome."  
 RL Nucleic Acids Res. 22:4756-4767(1994).  
 CC -!- FUNCTION: INVOLVED IN BOLA GENE EXPRESSION AT THE STATIONARY  
 CC PHASE.  
 CC -!- SIMILARITY: STRONG, TO H. INFELDENZAE SPRT.  
 CC -----  
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 CC -----  
 DR EMBL; D83644; BAAL2021.1; -;  
 DR EMBL; U28377; AAA69111.1; -;  
 DR EMBL; AE000377; AAC75981.1; -;  
 DR EMBL; X65169; -; NOT\_ANNOTATED\_CDS.  
 DR EcoGene; EG12122; sprT.  
 DR InterPro; IPR000130; Zn\_MTPetase.  
 DR PROSITE; PS00142; ZINC\_PROTEASE; UNKNOWN\_1.  
 KW Zinc; Complete proteome.  
 FT METAL 78 78 ZINC (CATALYTIC) (BY SIMILARITY).  
 FT ACT\_SITE 79 79 BY SIMILARITY.  
 FT METAL 82 82 ZINC (CATALYTIC) (BY SIMILARITY).  
 SQ SEQUENCE 165 AA; 19348 MW; F584A3992DD091B4 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 165;  
 Best Local Similarity 45.5%; Pred. No. 48;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 73 EEVVPHELAHL 83  
 RESULT 4  
 RL5\_AQUAE STANDARD; PRT; 188 AA.  
 ID RL5\_AQUAE

AC O67568;  
 DT 15-DEC-1998 (Rel. 37, Created)  
 DT 15-DEC-1998 (Rel. 37, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE 50S ribosomal protein L5.  
 GN RPL5 OR AQL52  
 OS Aquifex aeolicus.  
 OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;  
 OC Aquifex.  
 OX NCBI\_TaxID=63363;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=VF5;  
 RX MEDLINE=98196666; PubMed=9537320;  
 RA Decker G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L., R.,  
 RA Graham D.E., Overbeek R., Snead M.A., Keller M., Aujay M., Huber R.,  
 RA Feldman R.A., Short J.M., Olson G.J., Swanson R.V.,  
 RT "The complete genome of the hyperthermophilic bacterium Aquifex  
 RT aeolicus".  
 RL Nature 392:353-358(1998).  
 CC -!- FUNCTION: THIS IS ONE OF 3 PROTEINS THAT MEDIATE THE ATTACHMENT OF  
 CC THE 5S RNA INTO THE LARGE RIBOSOMAL SUBUNIT (BY SIMILARITY).  
 CC -!- SIMILARITY: BELONGS TO THE L5P FAMILY OF RIBOSOMAL PROTEINS.  
 CC -----  
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 CC -----  
 CC EMBL; AF040101; AAC07529.1;  
 CC InterPro; IPR002132; Ribosomal\_L5.  
 CC InterPro; IPR003236; Ribosomal\_L5\_mit.  
 CC Pfam; PF00281; Ribosomal\_L5; 1.  
 CC Pfam; PF00673; Ribosomal\_L5\_C; 1.  
 CC ProDom; PD001076; Ribosomal\_L5; 1.  
 CC ProDom; PD013434; Ribosomal\_L5\_mit; 1.  
 CC PROSITE; PS00358; Ribosomal\_L5; 1.  
 CC Ribosomal protein; rRNA-binding.  
 KW Ribosomal protein; rRNA-binding.  
 FT CONFLICT 182 188 GLPIRAM -> RTAHKGVYIKLLSGGNYAEKG (IN  
 FT REF 1).  
 SQ SEQUENCE 188 AA; 21385 MW; 38AF4246E2FC93E1 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 188;  
 Best Local Similarity 45.5%; Pred. No. 56;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 DB 18 EEVVPILQKFF 28  
 RESULT 5  
 RL5\_AQUYP STANDARD; PRT; 188 AA.  
 AC Q92140;  
 DT 30-MAY-2000 (Rel. 39, Created)  
 DT 30-MAY-2000 (Rel. 39, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE 50S ribosomal protein L5.  
 GN RPL5 OR RPL5.  
 OS Aquifex pyrophilus.  
 OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;  
 OC Aquifex.  
 OX NCBI\_TaxID=2714;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=KO5A;  
 RA Bocchetta M., Sanangelantoni A.M., Cammarano P.;  
 RL Submitted (DEC-1997) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP IDENTIFICATION OF PROBABLE FRAMESHIFT.  
 RA Veuthey A.-L.;

RL Unpublished observations (MAR-2000).  
 CC -!- FUNCTION: THIS IS ONE OF 3 PROTEINS THAT MEDIATE THE ATTACHMENT OF  
 CC THE 5S RNA INTO THE LARGE RIBOSOMAL SUBUNIT (BY SIMILARITY).  
 CC -!- SIMILARITY: BELONGS TO THE L5P FAMILY OF RIBOSOMAL PROTEINS.  
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 CC -----  
 CC EMBL; AF040101; AAC07951.1;  
 CC InterPro; IPR002132; Ribosomal\_L5.  
 CC InterPro; IPR003236; Ribosomal\_L5\_mit.  
 CC Pfam; PF00281; Ribosomal\_L5; 1.  
 CC Pfam; PF00673; Ribosomal\_L5\_C; 1.  
 CC ProDom; PD001076; Ribosomal\_L5; 1.  
 CC ProDom; PD013434; Ribosomal\_L5\_mit; 1.  
 CC PROSITE; PS00358; Ribosomal\_L5; 1.  
 CC Ribosomal protein; rRNA-binding.  
 KW Ribosomal protein; rRNA-binding.  
 FT CONFLICT 182 188 GLPIRAM -> RTAHKGVYIKLLSGGNYAEKG (IN  
 FT REF 1).  
 SQ SEQUENCE 188 AA; 21385 MW; 38AF4246E2FC93E1 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 188;  
 Best Local Similarity 45.5%; Pred. No. 56;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 DB 18 EEVVPKLIQKF 28  
 RESULT 6  
 CASI\_CAVPO STANDARD; PRT; 198 AA.  
 AC P04656;  
 DT 13-AUG-1987 (Rel. 05, Created)  
 DT 13-AUG-1987 (Rel. 05, Last sequence update)  
 DT 01-OCT-1996 (Rel. 34, Last annotation update)  
 DE Casein B precursor (Alpha-SI casein).  
 OS Cavia porcellus (Guinea pig).  
 OC Eukaryota; Metazoa; Chordata; Craniala; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Hystricognathi; Caviidae; Cavia.  
 OX NCBI\_TaxID=10141;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=85022410; PubMed=6548375;  
 RA Hall L., Laird J.E., Craig R.K.;  
 RT "Nucleotide sequence determination of guinea-plg casein B mRNA  
 RT reveals homology with bovine and rat alpha s1 caseins and  
 RT conservation of the non-coding regions of the mRNA".  
 RL Biochem J 222:561-570(1984).  
 CC -!- FUNCTION: IMPORTANT ROLE IN THE CAPACITY OF MILK TO TRANSPORT  
 CC CALCIUM PHOSPHATE.  
 CC -!- SUBCELLULAR LOCATION: Extracellular.  
 CC -!- TISSUE SPECIFICITY: MAMMARY GLAND; MILK.  
 CC -!- SIMILARITY: BELONGS TO THE ALPHA-CASEIN FAMILY.  
 CC -----  
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 CC -----  
 CC EMBL; X00938; CAA25452.1;  
 CC InterPro; IPR001588; Casein.  
 DR PIR; S07130; S07130.  
 DR InterPro; IPR001588; Casein.  
 DR Pfam; PF00363; caseins; 1.

DR PROSITE; PS00306; CASEIN\_ALPHA\_BETA; 1.  
 KW Milk; Phosphorylation; Signal.  
 FT SIGNAL 1 15  
 FT CHAIN 16 198  
 FT MOD\_RES 34 34  
 FT MOD\_RES 35 35  
 FT MOD\_RES 36 36  
 FT MOD\_RES 37 37  
 FT MOD\_RES 38 38  
 FT MOD\_RES 39 39  
 FT MOD\_RES 40 40  
 FT MOD\_RES 80 80  
 FT MOD\_RES 81 81  
 FT MOD\_RES 83 83  
 FT MOD\_RES 84 84  
 FT MOD\_RES 85 85  
 SQ SEQUENCE 198 AA; 23140 MW; C63A72286A003EBF CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 198;  
 Best Local Similarity 45.5%; Pred. No. 59;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 86 EEVVPKNTQK 96  
 RESULT 7  
 US19\_HCMVA STANDARD; PRT; 240 AA.  
 ID US19\_HCMVA  
 AC P09725;  
 DT 01-MAR-1989 (Rel. 10, Created)  
 DT 01-MAR-1989 (Rel. 10, Last sequence update)  
 DT 01-JUN-1994 (Rel. 29, Last annotation update)  
 DE Transmembrane protein HMLF4.  
 GN US19.  
 OS Human cytomegalovirus (strain AD169), and  
 OS Human cytomegalovirus (strain Towne).  
 OC Viruses; dsDNA viruses, no RNA stage; Herpesviridae;  
 OC Betaherpesvirinae; Cytomegalovirus.  
 OX NCBI\_TaxID=10360, 10363;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=AD169;  
 RX MEDLINE=87169717; PubMed=3031311;  
 RA Weston K., Barrell B.G.;  
 RT "Sequence of the short unique region, short repeats, and part of the  
 RT long repeats of human cytomegalovirus.";  
 RL J. Mol. Biol. 192:177-208(1986).  
 RN [2]  
 RP COMPLETE GENOME.  
 RC STRAIN=AD169;  
 RX MEDLINE=90269039; PubMed=2161319;  
 RA Chee M.S., Bankier A.T., Beck S., Bohni R., Brown C.M., Cerny R.,  
 RA Horsnell T., Hutchinson C.A. III, Kouzarides T., Martignetti J.A.,  
 RA Freddie E., Satchwell S.C., Tomlinson P., Weston K.M., Barrell B.G.;  
 RT "Analysis of the protein-coding content of the sequence of human  
 RT cytomegalovirus strain AD169.";  
 RL Curr. Top. Microbiol. Immunol. 154:125-169(1990).  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=Towne;  
 RX MEDLINE=93188154; PubMed=8383226;  
 RA Guo Y.-W., Huang E.S.;  
 RT "Characterization of a structurally tricintron gene of human  
 RT cytomegalovirus composed of U(s)18, U(s)19, and U(s)20.";  
 RL J. Virol. 67:2043-2054(1993).  
 CC -!- SUBCELLULAR LOCATION: INTEGRAL MEMBRANE PROTEIN. CONTAINS UP TO 7  
 CC POTENTIAL TRANSMEMBRANE DOMAINS (PROBABLE).  
 CC -!- DEVELOPMENTAL STAGE: EXPRESSED 34 HOURS POST-INFECTION.  
 CC -!- SIMILARITY: BELONGS TO THE US12 FAMILY.  
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 CC -----  
 DR EMBL; X17403; CAA35286.1; -;  
 DR EMBL; X04650; CAB37111.1; -;  
 DR EMBL; L04998; AAA45990.1; -;  
 DR PIR; C27231; QQBEG3.  
 DR PIR; S09933; S09933.  
 DR PIR; B45678; B45678.  
 KW Transmembrane; Late protein.  
 SQ SEQUENCE 240 AA; 26422 MW; F529384345BF8A5 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 240;  
 Best Local Similarity 45.5%; Pred. No. 73;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 12 EEVVPYLERLA 22  
 RESULT 8  
 RS2\_AQUAE STANDARD; PRT; 274 AA.  
 ID RS2\_AQUAE  
 AC O67809;  
 DT 30-MAY-2000 (Rel. 39, Created)  
 DT 30-MAY-2000 (Rel. 39, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE 30S ribosomal protein S2.  
 GN RPSB OR AQ\_2007.  
 OS Aquifex aeolicus.  
 OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;  
 OC Aquifex.  
 OX NCBI\_TaxID=63363;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=VF5;  
 RX MEDLINE=98196666; PubMed=9537320;  
 RA Deckert G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L.,  
 RA Graham D.E., Overbeek R., Shear M.A., Keller M., AuJay M., Huber R.,  
 RA Feldman R.A., Short J.M., Olson G.J., Swanson R.V.;  
 RT "The complete genome of the hyperthermophilic bacterium Aquifex  
 RT aeolicus.";  
 RL Nature 392:353-358(1998).  
 CC -!- SIMILARITY: BELONGS TO THE S2P FAMILY OF RIBOSOMAL PROTEINS.  
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 CC -----  
 DR EMBL; AE000767; AAC07767.1; -;  
 DR InterPro; IPR001865; Ribosomal\_S2.  
 DR Pfam; PF00318; Ribosomal\_S2; 1.  
 DR PRINTS; PR00395; RIBOSOMALS2.  
 DR TIGRFAMs; TIGR01011; rpsb\_bact; 1.  
 DR PROSITE; PS00962; RIBOSOMAL\_S2\_1; 1.  
 DR PROSITE; PS00963; RIBOSOMAL\_S2\_2; FALSE\_NEG.  
 KW Ribosomal protein; Complete proteome.  
 SQ SEQUENCE 274 AA; 31447 MW; 20A2903D25C2A649 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 274;  
 Best Local Similarity 45.5%; Pred. No. 85;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11

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Db 232 EEVPTKRRP 242
|||||:
RESULT 9
ERA_BACHD STANDARD; PRT; 304 AA.
AC Q9KD52;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE GTP-binding protein era homolog.
GN ERA OR BEX OR BHJ367.
OS Bacillus halodurans.
OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.
OX NCBI_TaxID=86665;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C-125 / JCM 9153;
RX MEDLINE=20512582; PubMed=11058132;
RA Takami H., Nakasone K., Takaki Y., Maeno G., Sasaki R., Masui N.,
RA Fuji F., Hirama C., Nakamura Y., Ogasawara N., Kuhara S.,
RA Horikoshi K.;
RT "Complete genome sequence of the alkaliphilic bacterium Bacillus
RT halodurans and genomic sequence comparison with Bacillus subtilis.";
RL Nucleic Acids Res. 28:4317-4331(2000).
CC -!- FUNCTION: BINDS BOTH GDP AND GTP, HAS AN INTRINSIC GTPASE ACTIVITY
CC AND IS ESSENTIAL FOR CELL GROWTH (BY SIMILARITY).
CC -!- SIMILARITY: BELONGS TO THE ERA/TRME FAMILY OF GTP-BINDING
CC PROTEINS. ERA SUBFAMILY.
CC -!- SIMILARITY: CONTAINS 1 KH TYPE-2 DOMAIN.
CC -----
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CC -----
CC EMBL; AP001511; BAB05086.1; -
CC HSP; P06616; LEGA.
CC InterPro: IPR005289; GTP-binding_dom.
CC InterPro: IPR000765; GTP_OBG.
CC InterPro: IPR004044; KH_TYPE_2.
CC InterPro: IPR004087; KH_dom.
CC InterPro: IPR005225; Small_GTP.
CC Pfam: PF00013; KH-domain; 1.
CC PRINTS; PR00326; GTP_OBG.
CC TIGRFAMS; TIGR00231; small_gtp; 1.
CC TIGRFAMS; TIGR00436; era; 1.
CC TIGRFAMS; TIGR00650; MG442; 1.
CC PROSITE; PS50823; KH_TYPE_2; 1.
CC GTP-binding; RNA-binding; Complete proteome.
KW NP_BIND 17 24 GTP (POTENTIAL).
FT NP_BIND 64 68 GTP (POTENTIAL).
FT NP_BIND 126 129 GTP (POTENTIAL).
FT DOMAIN 199 285 KH_TYPE-2.
FT SEQUENCE 304 AA; 34636 MW; 01D465A8A087E379 CRC64;
SQ
Query Match 100.0%; Score 31; DB 1; Length 304;
Best Local Similarity 45.5%; Pred. No. 95;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
|||||:
Db 150 EEVVPVSALOG 160
RESULT 10
PYRB_SERMA STANDARD; PRT; 305 AA.
ID PYRB_SERMA
AC P19910;
DT 01-FEB-1991 (Rel. 17, Created)
DT 01-FEB-1991 (Rel. 17, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Aspartate carbamoyltransferase catalytic chain (EC 2.1.3.2) (Aspartate
DE transcarbamylase) (ATCase).
GN PYRB.
OS Serratia marcescens.
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
OC Serratia.
OX NCBI_TaxID=615;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=89380286; PubMed=2674139;
RA Beck D., Kedzie K.M., Wild J.R.;
RT "Comparison of the aspartate transcarbamoylases from Serratia
RT marcescens and Escherichia coli.";
RL J. Biol. Chem. 264:16629-16637(1989).
CC -!- CATALYTIC ACTIVITY: carbamoyl phosphate + L-aspartate -> phosphate
CC + N-carbamoyl-L-aspartate.
CC -!- PATHWAY: Pyrimidine biosynthesis; second step.
CC -!- SUBUNIT: HETERODODECAMER (2C3:3R2) OF SIX CATALYTIC PYRB CHAINS
CC ORGANIZED AS TWO TRIMERS (C3), AND SIX REGULATORY PYRI CHAINS
CC ORGANIZED AS THREE DIMERS (R2).
CC -!- SIMILARITY: BELONGS TO THE ATCASES/OTCASES FAMILY.
CC -----
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CC or send an email to license@isb-sib.ch).
CC -----
CC EMBL; J05033; AAA26564.1; -
CC PIR; B34396; OMSEAC.
CC HSP; P00479; 3CS0.
CC InterPro: IPR002029; Asp/Orrn_Cotranf.
CC InterPro: IPR002082; Asp_carbmitransf.
CC Pfam: PF00185; OTCace; 1.
CC Pfam: PF02729; OTCace_N; 1.
CC PRINTS; PR00100; AOTCASE.
CC TIGRFAMS; TIGR00670; asp_carb_tr; 1.
CC PROSITE; PS00097; CARBAMOYLTRANSFERASE; 1.
CC Pyrimidine biosynthesis; Transferease.
KW INIT_MET 0 BY SIMILARITY.
FT SEQUENCE 305 AA; 33240 MW; A7792D7B0DDAEF85 CRC64;
SQ
Query Match 100.0%; Score 31; DB 1; Length 305;
Best Local Similarity 45.5%; Pred. No. 95;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
|||||:
Db 214 EEVPELDILY 224
RESULT 11
PYRB_VIBS2 STANDARD; PRT; 309 AA.
ID PYRB_VIBS2
AC P96174;
DT 15-JUL-1998 (Rel. 36, Created)
DT 15-MAY-2000 (Rel. 39, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Aspartate carbamoyltransferase catalytic chain (EC 2.1.3.2) (Aspartate
DE transcarbamylase) (ATCase).
GN PYRB.
OS Vibrio sp. (strain 2693).
OC Bacteria; Proteobacteria; gamma subdivision; Vibrionaceae; Vibrio.
OX NCBI_TaxID=79682;
RN [1]
RP SEQUENCE FROM N.A.
RA van de Castele M., Liang Z., Feng Z.Y., Legrain C., Glansdorff N.;
RA Submitted (DEC-1996) to the EMBL/GenBank/DBJ databases.
RL
```

```

CC CC -!- CATALYTIC ACTIVITY: Carbamoyl phosphate + L-aspartate = phosphate
CC CC + N-carbamoyl-L-aspartate.
CC CC -!- PATHWAY: Pyrimidine biosynthesis; second step.
CC CC -!- SUBUNIT: CONTAINS SIX CATALYTIC AND SIX REGULATORY CHAINS (BY
CC CC SIMILARITY).
CC CC -!- SIMILARITY: BELONGS TO THE ATCASES/OTCASES FAMILY.
CC CC -----
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CC CC or send an email to license@isb-sib.ch).
CC CC -----
CC CC EMBL; Y09786; CRA70923.1; -
CC CC HSSP; P00479; 3CSU.
CC CC InterPro: IPR002029; Asp/Orn_Cotransf.
CC CC InterPro: IPR002082; Asp_carbmltransf.
CC CC Pfam; PF00185; OTCace; 1.
CC CC Pfam; PF02729; OTCace.N; 1.
CC CC PRINTS; PR00100; AOTCASE.
CC CC TIGRfams; TIGR00670; asp_carb_tr; 1.
CC CC PROSITE; PS00097; CARBAMOYLTRANSFERASE; 1.
CC CC Pyrimidine biosynthesis; Transferase.
CC CC INT_MET 0 BY SIMILARITY.
CC CC SEQUENCE 309 AA; 34288 MW; A2A30763878EE1BF CRC64;
CC CC -----
CC CC Query Match 100.0%; Score 31; DB 1; Length 309;
CC CC Best Local Similarity 45.5%; Pred. No. 97;
CC CC Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
CC CC -----
CC CC QY 1 EEVVPXXXXXX 11
CC CC | | | | | : : : : :
CC CC Db 215 EEVVPEDVLY 225
CC CC -----
CC CC RESULT 12
CC CC PYRB_YERPE STANDARD; PRT; 311 AA.
CC CC Q82B33;
CC CC DT 15-JUN-2002 (Rel. 41, Created)
CC CC DT 15-JUN-2002 (Rel. 41, Last sequence update)
CC CC DE Aspartate carbamoyltransferase (EC 2.1.3.2) (Aspartate
CC CC transcarbamylase) (ATCase).
CC CC GN PYRB OR YP03588.
CC CC OS Yersinia pestis.
CC CC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
CC CC Yersinia.
CC CC NCBI_TaxID=632;
CC CC [1]
CC CC SEQUENCE FROM N.A.
CC CC STRAIN=CO-92 / Biovar Orientalis;
CC CC MEDLINE=21470413; PubMed=11586360;
CC CC RA Parkhill J., Wren B.W., Thomson N.R., Titball R.W., Holden M.T.G.,
CC CC RA Prentice M.B., Sebaihia M., James K.D., Churcher C., Mungall K.L.,
CC CC RA Baker S., Basham D., Bentley S.D., Brooks K., Cerdeno-Tarraga A.M.,
CC CC RA Chillingworth T., Cronin A., Davies R.M., Davis P., Dougan G.,
CC CC RA Feltwell T., Hamlin N., Holroyd S., Jagers K., Kariyasev A.V.,
CC CC RA Leather S., Moulé S., Oyston P.C.F., Quail M., Rutherford K.,
CC CC RA Simmonds M., Skelton J., Stevens K., Whitehead S., Barrell B.G.;
CC CC RT "Genome sequence of Yersinia pestis, the causative agent of plague.";
CC CC R1 Nature 413:523-527(2001).
CC CC -!- CATALYTIC ACTIVITY: Carbamoyl phosphate + L-aspartate = phosphate
CC CC + N-carbamoyl-L-aspartate.
CC CC -!- PATHWAY: Pyrimidine biosynthesis; second step.
CC CC -!- SUBUNIT: HETERODIMER (2C3:3R2) OF SIX CATALYTIC PYRB CHAINS
CC CC ORGANIZED AS TWO TRIMERS (C3), AND SIX REGULATORY PYRI CHAINS
CC CC ORGANIZED AS THREE DIMERS (R2).
CC CC -!- SIMILARITY: BELONGS TO THE ATCASES/OTCASES FAMILY.
CC CC -----
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CC CC or send an email to license@isb-sib.ch).
CC CC -----
CC CC EMBL; AJ414157; CAC92816.1; -
CC CC InterPro: IPR002029; Asp/Orn_Cotransf.
CC CC InterPro: IPR002082; Asp_carbmltransf.
CC CC Pfam; PF00185; OTCace; 1.
CC CC Pfam; PF02729; OTCace.N; 1.
CC CC PRINTS; PR00100; AOTCASE.
CC CC TIGRfams; TIGR00670; asp_carb_tr; 1.
CC CC PROSITE; PS00097; CARBAMOYLTRANSFERASE; 1.
CC CC Pyrimidine biosynthesis; Transferase.
CC CC SEQUENCE 311 AA; 34559 MW; FE76627210B30444 CRC64;
CC CC -----
CC CC Query Match 100.0%; Score 31; DB 1; Length 311;
CC CC Best Local Similarity 45.5%; Pred. No. 97;
CC CC Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
CC CC -----
CC CC QY 1 EEVVPXXXXXX 11
CC CC | | | | | : : : : :
CC CC Db 217 EEVVPEDVLY 227
CC CC -----
CC CC RESULT 13
CC CC NIA_CHLVU STANDARD; PRT; 318 AA.
CC CC Q01170;
CC CC DT 01-APR-1993 (Rel. 25, Created)
CC CC DT 01-APR-1993 (Rel. 25, Last sequence update)
CC CC DT 15-JUL-1998 (Rel. 36, Last annotation update)
CC CC DE Nitrate reductase (EC 1.6.6.1) (NR) (Fragment).
CC CC OS Chlorella vulgaris.
CC CC OC Eukaryota; Viridiplantae; Chlorophyta; Trebouxiophyceae; Chlorellales;
CC CC OC Chlorellaceae; Chlorella.
CC CC NCBI_TaxID=3077;
CC CC [1]
CC CC SEQUENCE FROM N.A.
CC CC RX MEDLINE=91354204; PubMed=1883330;
CC CC RA Cannons A.C., Iida N., Solomonson L.P.;
CC CC RT "Expression of a cDNA clone encoding the haem-binding domain of
CC CC Chlorella nitrate reductase."
CC CC RL Biochem. J. 278:203-209(1991).
CC CC -!- FUNCTION: NITRATE REDUCTASE IS A KEY ENZYME INVOLVED IN THE FIRST
CC CC STEP OF NITRATE ASSIMILATION IN PLANTS, FUNGI AND BACTERIA.
CC CC -!- CATALYTIC ACTIVITY: NADH + nitrate = NAD(+) + nitrite + H(2)O.
CC CC -!- COFACTOR: EACH SUBUNIT OF THE ENZYME CONTAINS 1 EQUIVALENT OF FAD,
CC CC HEME IRON, AND MOLYBDENUM-PTERIN AS PROSTHETIC GROUPS. THE HEME
CC CC GROUP IS CALLED CYTOCHROME B-557.
CC CC -!- SUBUNIT: HOMODIMER.
CC CC -!- SIMILARITY: TO EUKARYOTIC MOLYBDOPTERIN OXIDOREDUCTASES IN THE
CC CC N-TERMINAL DOMAIN.
CC CC -!- SIMILARITY: CONTAINS 1 CYTOCHROME B5 FAMILY, HEME-BINDING DOMAIN.
CC CC -!- SIMILARITY: TO FAD/NAD-BINDING CYTOCHROME REDUCTASES IN THE
CC CC C-TERMINAL DOMAIN.
CC CC -----
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CC CC or send an email to license@isb-sib.ch).
CC CC -----
CC CC EMBL; X56771; CAA40090.1; -
CC CC PIR; S17197; S17197.
CC CC HSSP; P04166; IBSM.
CC CC InterPro: IPR001199; Cyt_B5.
CC CC InterPro: IPR000572; Euk_Mb_Oxred.
CC CC InterPro: IPR005066; Mo-co_dimer.

```

DR Pfam; PF00173; heme\_1; 1.  
DR Pfam; PF03404; Mo-co\_dimer; 1.  
DR ProDom; PD000612; Cyt\_B5; 1.  
DR PROSITE; PS00191; CYTOCHROME\_B5\_1; 1.  
DR PROSITE; PS02555; CYTOCHROME\_B5\_2; 1.  
DR PROSITE; PS00559; MOLYBDOPTERIN\_EUK; PARTIAL.  
KW Oxidoreductase; Flavoprotein; FAD; NAD; Heme; Molybdenum;  
KW Nitrate assimilation.  
FT NON\_TER 1 1  
FT BINDING 251 251 HEME LIGAND (BY SIMILARITY).  
FT BINDING 274 274 HEME LIGAND (BY SIMILARITY).  
FT NON\_TER 318 318  
SQ SEQUENCE 318 AA; 34830 MW; E60D82FE198292A CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 318;  
Best Local Similarity 45.5%; Pred. No. 1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 58 EEVVPVAGTY 68  
  
RESULT 14  
YHAL\_CRYPA STANDARD; PRT; 319 AA.  
ID YHAL\_CRYPA  
AC PI0941;  
DT 01-JUL-1989 (Rel. 11, Last sequence update)  
DT 01-JUL-1989 (Rel. 11, Last sequence update)  
DT 16-OCT-2001 (Rel. 40, Last annotation update)  
DE Hypothetical protein 1 in hypovirulence-associated DS-RNA genetic  
DE element [Contains: P29 proteinase].  
OS Cryphonectria parasitica (Chestnut blight fungus) (Endothia  
OS parasitica).  
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;  
OC Diaporthales; Valsaceae; Cryphonectria.  
OX NCBI\_TaxID=5116;  
RN [1]  
RP SEQUENCE FROM N.A.  
RC STRAIN=EP713;  
RX MEDLINE=89251594; PubMed=2721496;  
RA Rae B.P., Hillman B.I., Tartaglia J., Nuss D.L.;  
RT "Characterization of double-stranded RNA genetic elements associated  
RT with biological control of chestnut blight: organization of terminal  
RT domains and identification of gene products.";  
RL EMBO J. 8:657-663(1989).  
CC -!- MISCELLANEOUS: DOUBLE-STRANDED RNA GENETIC ELEMENTS ARE ASSOCIATED  
CC WITH BIOLOGICAL CONTROL OF THE FUNGAL DISEASE CHESTNUT BLIGHT.  
CC THIS DS-RNA ARE ASSOCIATED WITH HYPOVIRULENCE. THEY ARE LOCALIZED  
CC IN THE CYTOPLASM.  
CC -!- SIMILARITY: BELONGS TO PEPTIDASE FAMILY C7.  
CC  
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CC  
CC EMBL; X14524; CAA32666.1; -  
CC PIR; S03833; S03833.  
CC MEROPS; C07.001; -  
CC InterPro; IPR002704; Peptidase\_C7.  
CC Pfam; PF01830; Peptidase\_C7; 1.  
CC ProDom; PD040949; Peptidase\_C7; 1.  
KW Hypothetical protein; Hydrolase; Thiol protease.  
SQ SEQUENCE 319 AA; 35443 MW; A1F5F75F9ABCE7A CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 319;  
Best Local Similarity 45.5%; Pred. No. 1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 31 EEVVPAGCITL 41  
  
RESULT 15  
PTPL\_YEAST STANDARD; PRT; 335 AA.  
ID PTPL\_YEAST  
AC P25044;  
DT 01-MAY-1992 (Rel. 22, Created)  
DT 01-MAY-1992 (Rel. 22, Last sequence update)  
DT 01-NOV-1997 (Rel. 35, Last annotation update)  
DE Protein-tyrosine phosphatase 1 (EC 3.1.3.48) (PTPASE 1).  
PTPL OR YDL230W.  
OS Saccharomyces cerevisiae (Baker's yeast).  
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
OC Saccharomycetales; Saccharomycetaceae; Saccharomycetes.  
OX NCBI\_TaxID=4932;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=91302312; PubMed=1649172;  
RA Guan K., Deschenes R.J., Qiu H., Dixon J.E.;  
RT "Cloning and expression of a yeast protein tyrosine phosphatase.";  
RL J. Biol. Chem. 266:12964-12970(1991).  
RN [2]  
RP SEQUENCE FROM N.A.  
RA Rasmussen S.W.;  
RL Submitted (JUL-1996) to the EMBL/GenBank/DBJ databases.  
CC -!- FUNCTION: IS NOT REQUIRED FOR VEGETATIVE GROWTH.  
CC -!- CATALYTIC ACTIVITY: Protein tyrosine phosphate + H(2)O = protein  
CC tyrosine + phosphate.  
CC -!- SUBCELLULAR LOCATION: Cytoplasmic.  
CC -!- SIMILARITY: BELONGS TO THE NON-RECEPTOR CLASS OF THE PROTEIN-  
CC TYROSINE PHOSPHATASE FAMILY.  
CC  
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CC  
CC EMBL; M64062; AAA34923.1; -  
CC EMBL; Z74278; CAA98809.1; -  
CC PIR; A39862; A39862.  
CC HSSP; P29350; 1GWZ.  
CC SGD; S0002389; PTPL.  
CC InterPro; IPR000387; TYR\_phosphatase.  
CC InterPro; IPR000242; Tyr\_PP.  
CC Pfam; PF00102; Y\_phosphatase; 1.  
CC PRINTS; PR00700; PTYPHPTASE.  
CC SMART; SM00194; PTPC; 1.  
CC PROSITE; PS00383; TYR\_PHOSPHATASE\_1; 1.  
CC PROSITE; PS50056; TYR\_PHOSPHATASE\_2; 1.  
CC PROSITE; PS50055; TYR\_PHOSPHATASE\_PTP; 1.  
KW Hydrolase.  
FT ACT\_SITE 252 252 BY SIMILARITY.  
SQ SEQUENCE 335 AA; 38868 MW; 15F71E50694BE562 CRC64;  
  
Query Match 100.0%; Score 31; DB 1; Length 335;  
Best Local Similarity 45.5%; Pred. No. 1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 226 EEVVPIMELCA 236  
  
RESULT 16  
MTBA\_METBA STANDARD; PRT; 338 AA.  
ID MTBA\_METBA  
AC O30640; Q48928;



DT 15-JUN-2002 (Rel. 41, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Methylcobamide:CoM methyltransferase mtBA (PC 2.1.1.-)  
 DE (Methylcobamide:CoM methyltransferase II isozyme A) (MT2-A).  
 GN MTBA OR CMTA.  
 OS Methanosarcina barkeri.  
 OC Archaea; Euryarchaeota; Methanococci; Methanosarcinales;  
 OC Methanosarcinaceae; Methanosarcina.  
 OX NCBI\_TaxID=2208;  
 RN [1]  
 RP SEQUENCE FROM N.A., AND CHARACTERIZATION.  
 RC STRAIN=NH;  
 RX MEDLINE=96324952; PubMed=8702528;  
 RA Leclerc G.M., Grahame D.A.;  
 RT "Methanocobamide:coenzyme M methyltransferase isozymes from  
 RT Methanosarcina barkeri: Physicochemical characterization, cloning,  
 RT sequence analysis, and heterologous gene expression.";  
 RL J. Biol. Chem. 271:18725-18731(1996).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=MS / DSM 800;  
 RX MEDLINE=98317284; PubMed=9642198;  
 RA Burke S.A., Lo S.L., Krzycki J.A.;  
 RT "Clustered genes encoding the methyltransferases of methanogenesis  
 RT from monomethylamine.";  
 RL J. Bacteriol. 180:3432-3440(1998).  
 RN [3]  
 RP SEQUENCE OF 1-24, AND CHARACTERIZATION.  
 RC STRAIN=MS / DSM 800;  
 RX MEDLINE=95362668; PubMed=7635826;  
 RA Burke S.A., Krzycki J.A.;  
 RT "Involvement of the 'A' isozyme of methyltransferase II and the  
 RT 29-kilodalton corrinoid protein in methanogenesis from  
 RT monomethylamine.";  
 RL J. Bacteriol. 177:4410-4416(1995).  
 RN [4]  
 RP CHARACTERIZATION.  
 RC PubMed=8617801;  
 RA Ferguson D.J. Jr., Krzycki J.A., Grahame D.A.;  
 RT "Specific roles of methylcobamide:coenzyme M methyltransferase  
 RT isozymes in metabolism of methanol and methylamines in Methanosarcina  
 RT barkeri.";  
 RL J. Biol. Chem. 271:5189-5194(1996).  
 RN [5]  
 RP CHARACTERIZATION.  
 RC STRAIN=MS / DSM 800;  
 RX MEDLINE=97158682; PubMed=9006042;  
 RA Ferguson D.J. Jr., Krzycki J.A.;  
 RT "Reconstitution of trimethylamine-dependent coenzyme M methylation  
 RT with the trimethylamine corrinoid protein and the isozymes of  
 RT methyltransferase II from Methanosarcina barkeri.";  
 RL J. Bacteriol. 179:846-852(1997).  
 RN [6]  
 RP CHARACTERIZATION.  
 RC STRAIN=MS / DSM 800;  
 RX MEDLINE=97341199; PubMed=9195968;  
 RA Burke S.A., Krzycki J.A.;  
 RT "Reconstitution of monomethylamine:coenzyme M methyl transfer with a  
 RT corrinoid protein and two methyltransferases purified from  
 RT Methanosarcina barkeri.";  
 RL J. Biol. Chem. 272:16570-16577(1997).  
 RN [7]  
 RP CHARACTERIZATION.  
 RC STRAIN=MS / DSM 800;  
 RX MEDLINE=20435871; PubMed=10852929;  
 RA Ferguson D.J. Jr., Gorlatova N., Krzycki J.A.;  
 RT "Reconstitution of dimethylamine:coenzyme M methyl transfer with a  
 RT discrete corrinoid protein and two methyltransferases purified from  
 RT Methanosarcina barkeri.";  
 RL J. Biol. Chem. 275:29053-29060(2000).  
 CC -!- FUNCTION: Catalyzes the transfer of the methyl group from the  
 CC methylated corrinoid cofactor of mtmC, mtbC and mtTC to coenzyme

CC M.  
 CC -!- COFACTOR: Zinc.  
 CC -!- ENZYME REGULATION: Inhibited by EDTA and EGTA.  
 CC -!- PATHWAY: Methanogenesis from mono-, di- and trimethylamines.  
 CC -!- SIMILARITY: BELONGS TO THE UROPORPHYRINOGEN DECARBOXYLASE FAMILY.  
 CC MTBA/MTAA SUBFAMILY.  
 CC -----  
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 CC -----  
 CC EMBL: U38919; AAC44214.1; -;  
 CC EMBL: AF013713; AAC38632.1; -;  
 CC InterPro: IPR000257; Uro-decarbxylys.  
 CC Pfam: PF01206; URO-D; 1.  
 CC Transferase; Methyltransferase; Methanogenesis; Zinc.  
 CC INIT\_MET 0  
 CC VARIANT 225 225 V -> A (IN STRAIN NIH).  
 CC G -> E (IN STRAIN NIH).  
 CC SEQUENCE 338 AA; 36533 MW; 6294097F98A30A51 CRC64;  
 SQ  
 Query Match 100.0%; Score 31; DB 1; Length 338;  
 Best Local Similarity 45.5%; Pred. No. 1.1e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 167 EEVVPALLDFC 177  
 RESULT 17  
 RALB\_TODPA STANDARD; PRT; 342 AA.  
 ID RALB\_TODPA  
 AC P49193;  
 DT 01-FEB-1996 (Rel. 33, Created)  
 DT 01-FEB-1996 (Rel. 33, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Retinal-binding protein (RALBP).  
 OS Todarodes pacificus (Japanese flying squid).  
 OC Eukaryota; Metazoa; Mollusca; Cephalopoda; Coleoidea; Teuthoidea;  
 OC Oegopsida; Ommastrephidae; Todarodes.  
 OX NCBI\_TaxID=6637;  
 RN [1]  
 RP SEQUENCE FROM N.A., AND PARTIAL SEQUENCE.  
 RC TISSUE=EYE;  
 RX MEDLINE=94148895; PubMed=8106428;  
 RA Ozaki K., Terakita A., Ozaki M., Hara R., Hara T., Hara-Nishimura I.,  
 RA Mori H., Nishimura M.;  
 RT "Molecular characterization and functional expression of squid  
 RT retinal-binding protein. A novel species of hydrophobic  
 RT ligand-binding protein".  
 RL J. Biol. Chem. 269:3838-3845(1994).  
 CC -!- FUNCTION: SHUTTLES 11-CIS- AND ALL-TRANS-RETINALS BETWEEN  
 CC RHODOPSIN AND RETINOCHROME AND REGENERATES THE PHOTOPRODUCTS OF  
 CC BOTH PIGMENTS. ALSO BINDS WEAKLY TO RETINOL.  
 CC -!- TISSUE SPECIFICITY: OUTER AND INNER SEGMENTS OF PHOTORECEPTOR  
 CC CELLS  
 CC -!- SIMILARITY: CONTAINS 1 CRAL-TRIO DOMAIN.  
 CC -----  
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 CC -----  
 CC EMBL: S68871; AAB29891.1; -;  
 CC InterPro: IPR001251; CRAL\_TRIO.



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DR Pfam: PF00650; CRAL-TRIO; 1.
DR SMART; SM00516; SEC14; 1.
DR PROSITE; PS00191; CRAL-TRIO; 1.
KW Vision; Transport; Acetylation.
FT INIT MET 0
FT DOMAIN 17 190 CRAL-TRIO.
FT MOD_RES 1 1 ACETYLTATION.
SQ SEQUENCE 342 AA; 39069 MW; A79CF88F61EFA79A CRC64;

Query Match 100.0%; Score 31; DB 1; Length 342;
Best Local Similarity 45.5%; Pred. No. 1.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 266 EEVVPRTDC 276

RESULT 18
LPXB_AQUAE STANDARD; PRT; 356 AA.
ID LPXB_AQUAE
AC 067420;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Lipid-A-disaccharide synthase (EC 2.4.1.182).
GN LPXB OR AQ_1427.
OS Aquifex aeolicus.
OC Bacteria; Aquificae; Aquificae (class); Aquificales; Aquificaceae;
OC Aquifex.
OC NCBI_TaxID=63363;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=VF5;
RX MEDLINE=98196666; PubMed=95373720;
RA Deckert G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L.,
RA Graham D.E., Overbeek R., Snead M.A., Keller M., Aujay M., Huber R.,
RA Feldman R.A., Short J.M., Olson G.J., Swanson R.V.;
RT "The complete genome of the hyperthermophilic bacterium Aquifex
RT aeolicus.";
RL Nature 392:353-358(1998).
CC -1- FUNCTION: CONDENSATION OF UDP-2,3-DIACYLGLUCOSAMINE AND
CC 2,3-DIACYLGLUCOSAMINE-1-PHOSPHATE TO FORM LIPID A DISACCHARIDE,
CC A PRECURSOR OF LIPID A, A PHOSPHORYLATED GLYCOLIPID THAT ANCHORS
CC THE LIPOPOLYSACCHARIDE TO THE OUTER MEMBRANE OF THE CELL
CC (BY SIMILARITY).
CC -1- CATALYTIC ACTIVITY: UDP-2,3-bis(3-hydroxytetradecanoyl)glucosamine
CC + 2,3-bis(3-hydroxytetradecanoyl)-beta-D-glucosaminyl 1-phosphate
CC -> UDP + 2,3-bis(3-hydroxytetradecanoyl)-D-glucosaminyl-1,6-beta-D-
CC 2,3-bis(3-hydroxytetradecanoyl)-beta-D-glucosaminyl 1-phosphate.
CC -1- PATHWAY: Lipid A biosynthesis.
CC -1- SIMILARITY: BELONGS TO THE LPXB FAMILY.
CC -----
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CC -----
CC EMBL; AE000740; AAC07386.1; .
CC InterPro; IPR003835; LpXB.
CC Pfam; PF02684; LpXB; 1.
CC TIGRfams; TIGR00215; lpxB; 1.
KW Transferase; Glycosyltransferase; Lipid A biosynthesis;
KW Lipid synthesis; Complete proteome.
SQ SEQUENCE 356 AA; 41300 MW; 1B4CFBA5F409CD68 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 356;
Best Local Similarity 45.5%; Pred. No. 1.1e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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QY 1 EEVVPXXXXX 11
DB 300 EEVPEFTQKS 310

RESULT 19
DEOB_BACHD STANDARD; PRT; 393 AA.
ID DEOB_BACHD
AC 09KCN9;
DT 15-JUN-2002 (Rel. 41, Created)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Phosphopentomutase (EC 5.4.2.7) (Phosphodeoxyribomutase).
GN DRW OR BH1530.
OS Bacillus halodurans.
OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.
OC NCBI_TaxID=86665;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C-125 / JCM 9153;
RX MEDLINE=20512582; PubMed=11058132;
RA Takami H., Nakasone K., Takaki Y., Maeno G., Sasaki R., Masui N.,
RA Fuji F., Hirama C., Nakamura Y., Ogasawara N., Kuhara S.,
RA Horikoshi K.;
RT "Complete genome sequence of the alkaliphilic bacterium Bacillus
RT halodurans and genomic sequence comparison with Bacillus subtilis.";
RT Nucleic Acids Res 28:4317-4331(2000)
CC -1- CATALYTIC ACTIVITY: D-ribose 1-phosphate -> D-ribose 5-phosphate.
CC -1- CATALYTIC ACTIVITY: 2-deoxy-D-ribose 1-phosphate -> 2-deoxy-
CC D-ribose 5-phosphate.
CC -1- PATHWAY: Purine nucleoside salvage.
CC -1- SIMILARITY: BELONGS TO THE PHOSPHOPENTOMUTASE FAMILY.
CC -----
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CC -----
CC EMBL; AP001512; BAB05249.1; .
CC InterPro; IPR002599; Metalloenzyme.
CC Pfam; PF01676; Metalloenzyme; 1.
CC ProDom; PD004704; Metalloenzyme; 1.
KW Isomerase; Complete proteome.
SQ SEQUENCE 393 AA; 43589 MW; 9CA37EDACF8E544A CRC64;

Query Match 100.0%; Score 31; DB 1; Length 393;
Best Local Similarity 45.5%; Pred. No. 1.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 167 EEVVPLELYD 177

RESULT 20
DEOB_BACSU STANDARD; PRT; 394 AA.
ID DEOB_BACSU
AC P46353;
DT 01-NOV-1995 (Rel. 32, Created)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Phosphopentomutase (EC 5.4.2.7) (Phosphodeoxyribomutase).
GN DRW.
OS Bacillus subtilis.
OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillus.
OC NCBI_TaxID=1423;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=20005610; PubMed=10537218;
```

RA Schuch R., Garibian A., Saxild H.H., Piggot P.J., Nygaard P.;  
 RT "Nucleosides as a carbon source in *Bacillus subtilis*: Characterization  
 of the *drm-pupG* operon.";  
 RL Microbiology 145:2957-2966(1999).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=168 / JH642;  
 RX MEDLINE=97124195; PubMed=8969508;  
 RA Mizuno M., Masuda S., Takemaru K.-I., Hosono S., Sato T., Takeuchi M.,  
 RA Kobayashi Y.;  
 RA "Systematic sequencing of the 283 kb 210 degrees-232 degrees region of  
 the *Bacillus subtilis* genome containing the skin element and many  
 sporulation genes.";  
 RL Microbiology 142:3103-3111(1996).  
 RN [3]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=168;  
 RX MEDLINE=98044033; PubMed=9384377;  
 RA Kunst F., Ogasawara N., Moszer I., Albertini A.M., Alloni G.,  
 RA Azevedo V., Bertero M.G., Bessieres P., Bolotin A., Borchert S.,  
 RA Boriss R., Boursier L., Brans A., Braun M., Brignell S.C., Bron S.,  
 RA Brouillet S., Bruschi C.V., Caldwell B., Capuano V., Carter N.M.,  
 RA Choi S.K., Codani J.J., Conerton I.F., Cummings N.J., Daniel R.A.,  
 RA Denizot F., Devine K.M., Dusterhoft A., Ehrlich S.D., Emmerson P.T.,  
 RA Entian K.D., Errington J., Fabret C., Ferrari E., Foulger D.,  
 RA Fritz C., Fujita M., Fujita Y., Fuma S., Galizzi A., Galleron N.,  
 RA Ghim S.Y., Glaser P., Goffeau A., Golightly E.J., Grandi G.,  
 RA Guisepi G., Guy B.J., Haga K., Halech J., Harwood C.R., Henaut A.,  
 RA Hilbert H., Holsappel S., Hosono S., Hulio M.F., Itaya M., Jones L.,  
 RA Joris B., Karamata D., Kasahara Y., Klier-Balchard M., Klein C.,  
 RA Kobayashi Y., Koetter P., Koningsstein G., Krogh S., Kumano M.,  
 RA Kurita K., Lapidus A., Lardinois S., Lauber J., Lazarevic V.,  
 RA Lee S.M., Levine A., Liu H., Masuda S., Maul C., Medigue C.,  
 RA Medina N., Mellado R.P., Mizuno M., Moesti D., Nakai S., Noback M.,  
 RA Noone D., O'Reilly M., Ogawa K., Ogiwara A., Oudega B., Park S.H.,  
 RA Parro V., Pohl T.M., Portetelle D., Porwollik S., Prescott A.M.,  
 RA Presecan E., Pujic C., Purnelle B., Rapoport G., Rey M., Reynolds S.,  
 RA Rieger M., Rivolta C., Roche B., Rapoport G., Rey M., Sadaie Y.,  
 RA Sato T., Scanlan E., Schleich S., Schroeter R., Scoffone F.,  
 RA Sekiguchi J., Sekowska A., Seror S.J., Serron P., Shin B.S., Soldo B.,  
 RA Sorokin A., Tacconi E., Takagi T., Takahashi H., Takemaru K.,  
 RA Takeuchi M., Tamakoshi A., Tanaka T., Terpstra P., Tognoni A.,  
 RA Tosato V., Uchiyama S., Vandenbol M., Vannier F., Vassarotti A.,  
 RA Viari A., Wambutt R., Wedler E., Wedler H., Weitzenecker T.,  
 RA Winters P., Wipat A., Yamamoto H., Yamane K., Yasumoto K., Yata K.,  
 RA Yoshida K., Yoshikawa H.F., Zumbstein E., Yoshikawa H., Danchin A.;  
 RT "The complete genome sequence of the Gram-positive bacterium *Bacillus subtilis*.";  
 RL Nature 390:249-256(1997).  
 CC -1- CATALYTIC ACTIVITY: D-ribose 1-phosphate -> D-ribose 5-phosphate.  
 CC -1- CATALYTIC ACTIVITY: 2-deoxy-D-ribose 1-phosphate -> 2-deoxy-D-ribose 5-phosphate.  
 CC -1- PATHWAY: Purine nucleoside salvage.  
 CC -1- SIMILARITY: BELONGS TO THE PHOSPHOTRANSFERASE FAMILY.  
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 CC EMBL; U32685; AAA74433.1;  
 CC EMBL; D84432; BAA12650.1;  
 CC EMBL; Z99116; CAB14282.1;  
 CC Subtilist; BG11331; *drm*.  
 CC InterPro; IPR002599; Metalloenzyme.  
 CC Pfam; PF01676; Metalloenzyme; 1.  
 CC ProDom; PD004704; Metalloenzyme; 1.  
 CC Isoenzyme; Complete proteome.  
 CC CONFLICT 78 78 L -> M (IN REF. 1).  
 CC CONFLICT 207 207 Q -> QPK (IN REF. 1).

FT CONFLICT 316 316 G -> E (IN REF. 1).  
 SQ SEQUENCE 394 AA; 43929 MW; 390E7C9A1E4B524D CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 394;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 167 EEVVPLEELR 177  
 |||||:||||:  
 RESULT 21  
 NTG1\_YEAST  
 ID NTG1\_YEAST STANDARD; PRT; 399 AA.  
 AC P31378;  
 DT 01-JUL-1993 (Rel. 26, Created)  
 DT 01-JUL-1993 (Rel. 26, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE DNA base excision repair N-glycosylase 1, mitochondrial precursor.  
 GN NTG1 OR YAL015C OR FUN33.  
 OS Saccharomyces cerevisiae (Baker's yeast).  
 GN Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
 OC Saccharomycetales; Saccharomycetaceae; Saccharomyces.  
 OX NCBI\_TaxID=4932;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=S288C / AB972;  
 RX MEDLINE=93209532; PubMed=8458570;  
 RA Ouellette B.F.F., Clark M.W., Keng T., Storms R.K., Zhong W.W.,  
 RA Zeng B., Fortin N., Delaney S., Barton A.B., Kaback D.B., Bussey H.;  
 RT "Sequencing of chromosome I from *Saccharomyces cerevisiae*: analysis  
 of a 32 kb region between the *LTE1* and *SP07* genes.";  
 RL Genome 36:32-42(1993).  
 RN [2]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=S288C / AB972;  
 RX MEDLINE=94193531; PubMed=8144453;  
 RA Barton A.B., Kaback D.B.;  
 RT "Molecular cloning of chromosome I DNA from *Saccharomyces cerevisiae*:  
 analysis of the genes in the *FUN38*-*MAK16*-*SP07* region.";  
 RL J. Bacteriol. 176:1872-1880(1994).  
 RN [3]  
 RP CHARACTERIZATION.  
 RX MEDLINE=99400469; PubMed=10471279;  
 RA You H.J., Swanson R.L., Harrington C., Corbett A.H.,  
 RA Jinks-Robertson S., Senturker S., Wallace S.S., Boiteux S.,  
 RA Dizdareoglu M., Doetsch P.W.;  
 RT "Saccharomyces cerevisiae Ntg1p and Ntg2p: broad specificity  
 N-glycosylases for the repair of oxidative DNA damage in the nucleus  
 and mitochondria.";  
 RL Biochemistry 38:11298-11306(1999).  
 CC -1- FUNCTION: EXCISION REPAIR N-GLYCOSYLASE INVOLVED IN THE REPAIR OF  
 DNA BASE DAMAGE IN THE MITOCHONDRIA. NTG1 CAN USE DIHYDROTHYMINE,  
 UREA, AND URACIL GLYCOL ARE SUBSTRATES.  
 CC -1- SUBCELLULAR LOCATION: MITOCHONDRIAL TRANSMEMBRANE SPACE OR  
 MATRIX.  
 CC -1- SIMILARITY: BELONGS TO THE NTH/MUTY FAMILY. BUT LACKS THE  
 IRON-SULFUR REGION.  
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 CC EMBL; L05146; AAC04942.1;  
 CC PIR; S36719; S36719.  
 CC SGD; S0000013; NTG1.  
 CC InterPro; IPR004036; EndoIII\_Hhh.  
 CC InterPro; IPR003265; Endo\_3c.

DR Pfam: PF00730; HhH-GPD; 1.  
 DR SMART: SM00478; ENDO3C; 1.  
 DR PROSITE: PS01155; ENDONUCLEASE\_IIL-2; 1.  
 KW Mitochondrion; Transic peptide; Hydrolase; Glycosidase.  
 FT TRANSIT 1 17 MITOCHONDRION (POTENTIAL).  
 FT CHAIN 18 399 DNA BASE EXCISION REPAIR N-GLYCOSYLASE 1.  
 SQ SEQUENCE 399 AA; 45577 MW; A3C878A3004908F3 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 399;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 40 EEVVPQPDVID 50

RESULT 22  
 ALKB\_PSEOL STANDARD; PRT; 401 AA.  
 AC P12691;  
 DT 01-OCT-1989 (Rel. 12, Created)  
 DT 01-OCT-1989 (Rel. 12, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE Alkane-1 monooxygenase (EC 1.14.15.3) (Alkane hydroxylase).  
 GN ALKB.  
 OS Pseudomonas oleovorans.  
 OG Plasmid OCT.  
 OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;  
 OC Pseudomonas.  
 OX NCBI\_TaxID=301;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=89174581; PubMed=2647718;  
 RA Kok M., Oldenhuys R., van der Linden M.P.G., Raathes P., Kingma J.,  
 RA van Lelyveld P.H., Witholt B.;  
 RT "The Pseudomonas oleovorans alkane hydroxylase gene. Sequence and  
 RT expression.";  
 RT J. Biol. Chem. 264:5435-5441(1989).  
 RN [2]  
 RP TOPOLOGY.  
 RX MEDLINE=92250518; PubMed=1315749;  
 RA van Beilen J.B., Penniga D., Witholt B.;  
 RT "Topology of the membrane-bound alkane hydroxylase of Pseudomonas  
 RT oleovorans.";  
 RT J. Biol. Chem. 267:9194-9201(1992).  
 RL J. Biol. Chem. 267:9194-9201(1992).  
 CC -1- CATALYTIC ACTIVITY: Octane + reduced rubredoxin + O(2) = 1-octanol  
 CC + oxidized rubredoxin + H(2)O.  
 CC -1- PATHWAY: Alkane degradation.  
 CC -1- SUBUNIT: THE ALKANE HYDROXYLASE CONSISTS OF THREE COMPONENTS:  
 CC CYTOPLASMIC MEMBRANE ALKANE HYDROXYLASE, NADH-DEPENDENT REDUCTASE  
 CC AND RUBREDOXIN.  
 CC -1- SUBCELLULAR LOCATION: Integral membrane protein.  
 CC -1- SIMILARITY: TO P.PUTIDA XYLENE MONOOXYGENASE XYLM.  
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 CC EMBL: AJ245436; CAB54050.1;  
 DR PIR: A31266; A31266.  
 DR PIR: A32849; A32849.  
 DR InterPro: IPR001225; FA\_desaturase.  
 DR Pfam: PF00487; FA\_desaturase; 1.  
 KW Oxidoreductase; Monooxygenase; Transmembrane; Plasmid.  
 FT DOMAIN 1 20 CYTOPLASMIC (PROBABLE).  
 FT TRANSMEM 21 39 PROBABLE.  
 FT TRANSMEM 40 41 PERIPLASMIC (PROBABLE).  
 FT DOMAIN 42 62 PROBABLE.  
 FT TRANSMEM 42 62

FT DOMAIN 63 88 CYTOPLASMIC (PROBABLE).  
 FT TRANSMEM 89 111 PROBABLE.  
 FT DOMAIN 112 113 PERIPLASMIC (PROBABLE).  
 FT TRANSMEM 114 134 PROBABLE.  
 FT DOMAIN 135 228 CYTOPLASMIC (PROBABLE).  
 FT TRANSMEM 229 249 PROBABLE.  
 FT DOMAIN 250 250 PERIPLASMIC (PROBABLE).  
 FT TRANSMEM 251 270 PROBABLE.  
 FT DOMAIN 271 401 CYTOPLASMIC (PROBABLE).  
 SQ SEQUENCE 401 AA; 45806 MW; F32896458039D11B CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 401;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:||||:  
 Db 75 EEVVPKLEKER 85

RESULT 23  
 THIL\_STAAM STANDARD; PRT; 407 AA.  
 ID THIL\_STAAM  
 AC Q931P5;  
 DT 15-JUN-2002 (Rel. 41, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Probable thiamine biosynthesis protein thil.  
 GN THIL OR SAV1715.  
 OS Staphylococcus aureus (strain Mu50 / ATCC 700699).  
 OC Bacteria; Firmicutes; Bacillales; Staphylococcus.  
 OX NCBI\_TaxID=158878;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21311952; PubMed=11418146;  
 RA Kuroda M., Ohta T., Uchiyama I., Baba T., Yuzawa H., Kobayashi I.,  
 RA Cui L., Oguchi A., Aoki K.-I., Nagai Y., Lian J.-Q., Ito T.,  
 RA Kanamori M., Matsumaru H., Maruyama A., Murakami H., Hosoyama A.,  
 RA Mizutani-Ui Y., Takahashi N.K., Sawano T., Inoue R.-I., Kaito C.,  
 RA Sekimizu K., Hirakawa H., Kubara S., Goto S., Yabuzaki J.,  
 RA Kanehisa M., Yamashita A., Oshima K., Furuya K., Yoshino C., Shiba T.,  
 RA Hattori M., Ogasawara N., Hayashi H., Hiramatsu K.;  
 RT "Whole genome sequencing of methicillin-resistant Staphylococcus  
 RT aureus.";  
 RL Lancet 357:1225-1240(2001).  
 CC -1- FUNCTION: Required for the synthesis of the thiazole moiety (By  
 CC similarity).  
 CC -1- PATHWAY: Thiamine biosynthesis.  
 CC -1- SUBCELLULAR LOCATION: Cytoplasmic (Potential).  
 CC -1- SIMILARITY: BELONGS TO THE THIL FAMILY.  
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 CC EMBL: AP003363; BAB57877.1;  
 DR InterPro: IPR004114; THUMP.dom.  
 DR InterPro: IPR003720; Thil.  
 DR Pfam: PF02568; Thil; 1.  
 DR Pfam: PF02926; THUMP; 1.  
 DR TIGRFAMs: TIGR00342; Thil; 1.  
 KW Thiamine biosynthesis; Complete proteome.  
 SQ SEQUENCE 407 AA; 46228 MW; 2BD404728AA854B7 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 407;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

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Db 163 EEVPGSGGLP 173
|||||:
RESULT 24
THII_STAAN STANDARD; PRT; 407 AA.
AC Q99TE8;
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DE Probable thiamine biosynthesis protein thii.
GN THII OR SA1537.
OS Staphylococcus aureus (strain N315).
OC Bacteria; Firmicutes; Bacillales; Staphylococcus.
OX NCBI_TaxID=158879;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21311952; PubMed=11418146;
RA Kuroda M., Ohta T., Uchiyama I., Baba T., Yuzawa H., Kobayashi I.,
RA Cui L., Oguchi A., Aoki K.-I., Nagai Y., Lian J.-Q., Ito T.,
RA Kanamori M., Matsumaru H., Maruyama A., Murakami H., Hosoyama A.,
RA Mizutani-Ui Y., Takahashi N.K., Sawano T., Inoue R.-I., Kaito C.,
RA Sekimizu K., Hirakawa H., Kuhara S., Goto S., Yabuzaki J.,
RA Kanehisa M., Yanashita A., Oshima K., Furuya K., Yoshino C., Shiba T.,
RA Hattori M., Ogasawara N., Hayashi H., Hiramatsu K.;
RT "Whole genome sequencing of methicillin-resistant Staphylococcus
aureus";
RL Lancet 357:1225-1240(2001).
CC -|- FUNCTION: Required for the synthesis of the thiazole moiety (by
similarity).
CC -|- PATHWAY: Thiamine biosynthesis.
CC -|- SUBCELLULAR LOCATION: Cytoplasmic (Potential).
CC -|- SIMILARITY: BELONGS TO THE THII FAMILY.
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CC EMBL: AP003134; BAB42804.1; -.
CC InterPro: IPR004114; THUMP_dom.
CC InterPro: IPR003720; Thii.
CC Pfam: PF02926; THUMP; 1.
CC TIGRFAMs: TIGR00342; Thii; 1.
CC Thiamine biosynthesis; Complete proteome.
KW Thiamine biosynthesis; Complete proteome.
SQ SEQUENCE 407 AA; 46202 MW; 2BDD7D028AAB88C7 CRC64;
-----
Query Match 100.0%; Score 31; DB 1; Length 407;
Best Local Similarity 45.5%; Pred. No. 1.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
Db 163 EEVPGSGGLP 173
|||||:
RESULT 25
YM42_MYCTU STANDARD; PRT; 414 AA.
AC Q10523;
DT 01-OCT-1996 (Rel. 34, Created)
DT 01-OCT-1996 (Rel. 34, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Hypothetical protein rv2242.
GN RV2242 OR WT2302 OR WTCY427.23.
OS Mycobacterium tuberculosis.
OC Bacteria; Actinobacteria; Actinobacteria (class); Actinobacteridae;
OC Actinomycetales; Corynebacterineae; Mycobacteriaceae; Mycobacterium.
-----
OX NCBI_TaxID=1773;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=H37RV; PubMed=9634230;
RA Cole S.T., Brosch R., Parkhill J., Garnier T., Churcher C., Harris D.,
RA Gordon S.V., Eiglmeier K., Gas S., Barry C.E. III, Tekaiia F.,
RA Badcock K., Basham D., Brown D., Chillingworth T., Connor R.,
RA Davies R., Devlin K., Feltwell T., Gentles S., Hamlin N., Holroyd S.,
RA Hornsby T., Jagels K., Krogh A., McLean A., Rajandream M.A., Rogers J.,
RA Oliver S., Osborne J., Quail M.A., Rajandream M.A., Rogers J.,
RA Rutter S., Seeger K., Skelton S., Squares S., Squares R.,
RA Sulston J.E., Taylor K., Whitehead S., Barrell B.G.;
RT "Deciphering the biology of Mycobacterium tuberculosis from the
complete genome sequence";
RL Nature 393:537-544(1998).
RN [2]
RP SEQUENCE FROM N.A.
RX STRAIN=CDC 1551 / Oshkosh;
RA Fleischmann R.D., Alland D., Eisen J.A., Carpenter L., White O.,
RA Peterson J., DeBoy R., Dodson R., Gwinn M.L., Haft D., Hickey E.,
RA Kolonay J.F., Nelson W.C., Umayam L.A., Ermolaeva M.D., Salzberg S.L.,
RA Delcher A., Utterback T., Weidman J., Khouri H., Gill J., Mikula A.,
RA Bishai W.;
RT "Whole genome comparison of Mycobacterium tuberculosis clinical and
laboratory strains";
RL Submitted (APR-2001) to the EMBL/GenBank/DBJ databases.
CC -|- SIMILARITY: BELONGS TO THE CDAR FAMILY.
-----
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-----
CC EMBL: Z70692; CAA94663.1; -.
CC EMBL: AE007074; AAK46586.1; -.
CC TIGR: MT2302; -.
CC Tuberculist; RV2242; -.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 414 AA; 44637 MW; F454D43397711F73 CRC64;
-----
Query Match 100.0%; Score 31; DB 1; Length 414;
Best Local Similarity 45.5%; Pred. No. 1.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
Db 120 EEVVPLLARSE 130
|||||:
RESULT 26
YCDT_ECOLI STANDARD; PRT; 452 AA.
AC P75908; Q9R7P4; Q9R7P6;
DT 01-NOV-1997 (Rel. 35, Created)
DT 01-NOV-1997 (Rel. 35, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Hypothetical protein ycdT.
GN YCDT OR B1025.
OS Escherichia coli.
OC Bacteria; Proteobacteria; gamma subdivision; Enterobacteriaceae;
OC Escherichia.
OX NCBI_TaxID=562;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=K12 / MG1655;
RA Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,
RA Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,
RA Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,
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MEDLINE=97422610; PubMed=9268636;
Heizman N.S., Gloeckner G., Baechner D., Kioschis P., Klauck S.M.,
Hinzmann B., Rosenthal A., Herman G.E., Poustka A.;
"Genomic structure of a novel LIM domain gene (ZNF185) in Xq28 and
comparisons with the orthologous murine transcript.";
Genomics 43:329-338(1997).
[2]
SEQUENCE FROM N.A.
MEDLINE=20314869; PubMed=10854409;
Mallon A.M., Platzter M., Bates R., Gloeckner G., Botcherby M.,
Nordieck G., Strivens M.A., Kioschis P., Dangel A., Cunningham D.,
Straw R., Weston P., Hunter C., Gilbert M., Fernando S., Goodall K.,
Kerry G., Greystroang J.S., Clark D., Goerdes M., Blechschmidt K.,
Rump A., Hinzmann B., Mundy C.R., Miller W., Poustka A., Herman G.E.,
Rhodes M., Denny P., Rosenthal A., Brown S.D.M.;
"Comparative genome sequence analysis of the Bpa/Str region in mouse
and man.";
Genome Res. 10:758-775(2000).
-!- FUNCTION: MAY BE INVOLVED IN THE REGULATION OF CELLULAR
PROLIFERATION AND/OR DIFFERENTIATION.
-!- SUBCELLULAR LOCATION: Nuclear (Potential).
-!- TISSUE SPECIFICITY: EXPRESSED IN PLACENTA, PANCREAS AND KIDNEY.
-!- ALSO EXPRESSED IN PROSTATE, TESTIS, OVARY AND BLOOD.
-!- SIMILARITY: CONTAINS 1 LIM DOMAIN. THE LIM DOMAIN BINDS 2 ZINC
IONS.
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-----
EMBL: Y09538; CAA70733.1; -
EMBL: U82671; AAF44794.1; -
Genew; HGNC:12976; ZNF185.
MIM; 300381; -
InterPro; IPR001781; LIM.
ProDom; PD000094; LIM; 1.
SMART; SM00132; LIM; 1.
PROSITE; PS00478; LIM_DOMAIN_1; FALSE_NEG.
PROSITE; PS50023; LIM_DOMAIN_2; 1.
LIM domain; Metal-binding; Zinc.
DOMAIN 24 30 POLY-GLU.
FT 397 452 LIM.
FT CONFLICT 1 9 MTEDYKKL -> MQRQ (IN REF. 1).
FT CONFLICT 176 176 Y -> C (IN REF. 1).
FT CONFLICT 182 182 A -> P (IN REF. 1).
FT CONFLICT 260 260 G -> R (IN REF. 1).
SEQUENCE 457 AA; 49187 MW; 1E8A77D6B75EB6C6 CRC64;
Query Match 100.0%; Score 31; DB 1; Length 457;
Best Local Similarity 45.5%; Pred. No. 1.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVWPXXXXXX 11
DB 29 EEVWPFSSDEQ 39
|||||:|||||
|||||:|||||
|||||:|||||
RESULT 28
TECL_YEAST STANDARD; PRT; 486 AA.
AC P18412;
DT 01-NOV-1990 (Rel. 16, Created)
DT 01-NOV-1990 (Rel. 16, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE TY transcription activator TECL1
GN TECL1 OR ROC1 OR YBR083W OR YBR0750.
OS Saccharomyces cerevisiae (Baker's yeast).
OC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC Saccharomycetales; Saccharomycetaceae; Saccharomycetes.

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OX NCBI_TaxID=4932;
RN [1]
RN SEQUENCE FROM N.A.
RX MEDLINE=90287143; PubMed=2192259;
RA Laloux I., Dubois E., Dowerchin M., Jacobs E.;
RT "TEC1, a gene involved in the activation of Tyl and Tyl-mediated gene
RT expression in Saccharomyces cerevisiae: cloning and molecular
RT analysis.";
RN Mol. Cell. Biol. 10:3541-3550(1990).
RN [2]
RN SEQUENCE FROM N.A.
RX MEDLINE=91300541; PubMed=2070413;
RA Buerglin T.R.;
RT "The TEA domain: a novel, highly conserved DNA-binding motif.";
RN Cell 66:11-12(1991).
CC -1- FUNCTION: TEC1 IS INVOLVED IN THE ACTIVATION OF TYL AND TYL-
CC MEDIATED GENE EXPRESSION. IT IS NOT INVOLVED IN MATING OR
CC SPOREATION PROCESSES.
CC -1- SUBCELLULAR LOCATION: Nuclear.
CC -1- SIMILARITY: CONTAINS 1 TEA DNA-BINDING DOMAIN.
CC -----
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CC -----
DR EMBL; M32797; AAA35141.1; -;
DR EMBL; Z35952; CAAB5028.1; -;
DR PIR; A35667; A35667.
DR TRANSFAC; T01084; -.
DR SGD; S0000287; TEC1.
DR InterPro; IPR000818; TEA/ATTSdom.
DR Pfam; PF01285; TEA; 1.
DR PRINTS; PR00065; TEADOMAIN.
DR SMART; SM00426; TEA; 1.
DR DR PROSITE; PS00534; TEA_DOMAIN; 1.
DR Transcription regulation; Trans-acting factor; Activator;
KW DNA-binding; Nuclear protein.
FT DNA_BIND 127 192 TEA-DOMAIN.
FT SEQUENCE 486 AA; 55157 MW; F247016D3E75C454 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 486;
Best Local Similarity 45.5%; Pred. No. 1.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 393 EEVVPRAIVT 403
|||||:||||:

RESULT 29
DAPT_HUMAN
ID DAPT_HUMAN STANDARD; PRT; 680 AA.
AC Q15228;
DT 15-DEC-1998 (Rel. 37, Created)
DT 15-DEC-1998 (Rel. 37, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Dihydroxyacetone phosphate acyltransferase (EC 2.3.1.42) (DHAP-AT)
DE (DAP-AT) Glycero-phosphate O-acyltransferase (Acyl-
DE CoA:dihydroxyacetonephosphateacyltransferase).
DE GNAT OR DHAPAT OR DAPAT.
DE Homo sapiens (human).
OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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ID PLSB_CAEEL STANDARD; PRT; 718 AA.
AC Q22949;
DT 15-DEC-1998 (Rel. 37, Created)
DT 15-DEC-1998 (Rel. 37, Last sequence update)
DT 15-JUL-1999 (Rel. 38, Last annotation update)
DE Probable glycerol-3-phosphate acyltransferase, mitochondrial precursor
DE (EC 2.3.1.15) (GPAT).
GN F08F3.2.
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Feloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [11]
RP SEQUENCE FROM N.A.
RC STRAIN=Bristol N2.
RA Blanchard M., Bradshaw H.;
RL Submitted (JUL-1996) to the EMBL/GenBank/DBJ databases.
CC -!- CATALYTIC ACTIVITY: Acyl-CoA + sn-glycerol 3-phosphate = CoA + 1-
CC acyl-sn-glycerol 3-phosphate.
CC -!- PATHWAY: FIRST STEP IN DE NOVO PHOSPHOLIPID BIOSYNTHESIS. IT MAY
CC ALSO FUNCTION IN THE REGULATION OF MEMBRANE BIOGENESIS.
CC -!- SUBCELLULAR LOCATION: Integral membrane protein. Mitochondrial
CC (Potential).
CC -!- SIMILARITY: BELONGS TO THE GPAT / DAPAT FAMILY.
CC
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CC
CC EMBL; U64847; AAB04876.1; -
CC WormPep; F08F3.2; CE09258.
CC InterPro; IPR002123; Acyltransferase.
CC Pfam; PF01553; Acyltransferase; 1.
CC KW Phospholipid biosynthesis; Transferrase; Acyltransferase;
CC Transmembrane; Mitochondrion; Transit peptide.
CC TRANSIT 1 ? MITOCHONDRION (POTENTIAL).
CC CHAIN 1 ? PROBABLE GLYCEROL-3-PHOSPHATE
CC ACYLTRANSFERASE.
CC FT TRANSMEM 409 425
CC FT SEQUENCE 718 AA; 82071 MW; E0A36A4A86FC138D CRC64;
CC SQ SEQUENCE 718 AA; 82071 MW; E0A36A4A86FC138D CRC64;
Query Match 100.0%; Score 31; DB 1; Length 718;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 25 EEVVPRRYV 35
SYG_MOUSE STANDARD; PRT; 729 AA.
AC Q9C2D3; Q8VC67;
DT 15-JUN-2002 (Rel. 41, Created)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Glycyl-L-tryptophan synthetase (EC 6.1.1.14) (Glycine--tryptophan ligase) (GlyRS).
GN GARS.
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=C57BL/6J; TISSUE=Embryo;
RX MEDLINE=21085660; PubMed=11217851;
RA Kawai J., Shinagawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,

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RA Aizawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
RA Saito T., Okazaki Y., Gojohori T., Bono H., Kasukawa T., Saito R.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,
RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
RA Schriml L.M., Staib F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
RA Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
RA Wynshaw-Boris A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
RA Hayashizaki Y.;
RA "Functional annotation of a full-length mouse cDNA collection.";
RT Nature 409:685-690(2001).
RL [2]
RN SEQUENCE FROM N.A.
RP TISSUE=Salivary gland;
RC Strausberg R.;
RA Submitted (JAN-2002) to the EMBL/GenBank/DBJ databases.
CC -!- CATALYTIC ACTIVITY: ATP + glycine + tRNA(Gly) = AMP + diphosphate
CC + glycyl-tRNA(Gly).
CC -!- SUBUNIT: Homodimer (By similarity).
CC -!- SIMILARITY: BELONGS TO CLASS-II AMINOACYL-TRNA SYNTHETASE FAMILY.
CC -!- SIMILARITY: CONTAINS 1 WHEP-TRS DOMAIN.
CC
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CC
CC EMBL; AK012758; BAB28448.1; -
CC EMBL; BC021747; AAH21747.1; -
CC HSP; P56206; 1B76.
CC MGD; MGI:1921395; 1200014I03Rik.
CC InterPro; IPR002106; AACRNA_LigaseII.
CC InterPro; IPR004154; HGTP-anticodon.
CC InterPro; IPR002314; tRNA-synt_2b.
CC InterPro; IPR002315; tRNA-synt_gly.
CC InterPro; IPR000738; WHEP-TRS.
CC Pfam; PF03129; HGTP-anticodon; 1.
CC Pfam; PF00587; tRNA-synt_2b; 1.
CC Pfam; PF00458; WHEP-TRS; 1.
CC PRINTS; PR01043; TRNASYNTHGLY.
CC TIGRFAMS; TIGR00389; GLYS_dimeric; 1.
CC PROSITE; PS50862; AA_TRNA_LIGASE_II; 1.
CC PROSITE; PS00762; WHEP-TRS; 1.
KW Aminoacyl-tRNA synthetase; Protein biosynthesis; Ligase; ATP-binding.
FT DOMAIN 64 109 WHEP-TRS.
FT CONFLICT 694 N -> S (IN REF. 2).
FT SEQUENCE 729 AA; 81877 MW; 596613F746B9C7D0 CRC64;
Query Match 100.0%; Score 31; DB 1; Length 729;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 558 EEVVPVIEPS 568
RESULT 32
CATR_ASPNG STANDARD; PRT; 730 AA.
ID CATR_ASPNG
AC P55303;
DT 01-OCT-1996 (Rel. 34, Created)
DT 01-OCT-1996 (Rel. 34, Last sequence update)

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DT 01-OCT-1996 (Rel. 34, Last annotation update)
DE Catalase R (EC 1.11.1.6).
GN CATR.
OS Aspergillus niger.
OC Eukaryota; Fungi; Ascomycota; Pezizomycotina; Eurotiomycetes;
OC Eurotiales; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
OX NCBI_TaxID=5061;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=95020642; PubMed=7934925;
RA Fowler T., Rey M.M., Vaha-Vahe P., Power S.D., Berka R.M.;
RT "The catr gene encoding a catalase from Aspergillus niger: primary
RT structure and elevated expression through increased gene copy number
RT and use of a strong promoter.";
RL Mol. Microbiol. 9:989-998(1993).
CC -1- FUNCTION: OCCURS IN ALMOST ALL AEROBICALLY RESPIRING ORGANISMS AND
CC SERVES TO PROTECT CELLS FROM THE TOXIC EFFECTS OF HYDROGEN
CC PEROXIDE.
CC -1- CATALYTIC ACTIVITY: 2 H(2)O(2) = O(2) + 2 H(2)O.
CC -1- COFACTOR: HEME GROUP.
CC -1- SIMILARITY: BELONGS TO THE CATALASE FAMILY.
CC
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CC
CC EMBL; Z23138; CAA80669.1; -
CC EMBL; L15474; AAA68206.1; -
CC HSP; P21179; ICF9.
CC InterPro: IPR002226; Catalase.
CC Pfam; PF00199; catalase; 1.
CC PRINTS; PR00067; CATALASE.
CC PRODOM; PD000510; Catalase; 1.
CC PROSITE; PS00437; CATALASE_1; 1.
CC PROSITE; PS00438; CATALASE_2; 1.
CC Oxidoreductase; Peroxidase; Iron; Heme; Hydrogen peroxide.
KW ACT_SITE 105 105 BY SIMILARITY.
FT BINDING 392 392 PROXIMAL HEME LIGAND (BY SIMILARITY).
SQ SEQUENCE 730 AA; 80461 MW; DC901A1272B103DE CRC64;
Query Match 100.0%; Score 31; DB 1; Length 730;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 339 EEVVPYTPGM 349
RESULT 33
SYG_HUMAN ID SYG_HUMAN STANDARD; PRT; 739 AA.
AC P41250; Q969Y1;
DT 01-FEB-1995 (Rel. 31, Created)
DT 15-JUN-2002 (Rel. 41, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Glycyl-tRNA synthetase (EC 6.1.1.14) (Glycine--tRNA ligase) (GLYRS).
GN GARS
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=95050870; PubMed=7962006;
RA Shiba K., Schimmel P., Motegi H., Noda T.;
RT "Human glycyl-tRNA synthetase. Wide divergence of primary structure
RT from bacterial counterpart and species-specific aminoacylation.";
RL J. Biol. Chem. 269:30049-30055(1994).
RN
RP SEQUENCE FROM N.A.
RX MEDLINE=95273165; PubMed=7753621;
RA Williams J.H., Osvath S.R., Khong T.-F., Pearce M.J., Power D.A.;
RT "Cloning, sequencing and bacterial expression of human glycyl-tRNA
RT synthetase.";
RL Nucleic Acids Res. 23:1307-1310(1995).
RN [3]
RP SEQUENCE FROM N.A.
RX TISSUE-Eye, and Muscle;
RA Strausberg R.;
RL Submitted (MAY-2001) to the EMBL/GenBank/DBJ databases.
RN [14]
RP SEQUENCE OF 3-739 FROM N.A.
RX MEDLINE=95050687; PubMed=7961834;
RA Ge O., Trieu E.P., Targoff I.N.;
RT "Primary structure and functional expression of human glycyl-tRNA
RT synthetase, an autoantigen in myositis.";
RL J. Biol. Chem. 269:28790-28797(1994).
RN [5]
RP SEQUENCE OF 348-739 FROM N.A.
RA Andrews S., Langston V., Stoneking T., Maupin R.;
RL Submitted (JUN-1998) to the EMBL/GenBank/DBJ databases.
CC -1- CATALYTIC ACTIVITY: ATP + glycine + tRNA(Gly) -> AMP + diphosphate
CC + glycyl-tRNA(Gly).
CC -1- SUBUNIT: Homodimer.
CC -1- SIMILARITY: BELONGS TO CLASS-II AMINOACYL-TRNA SYNTHETASE FAMILY.
CC -1- SIMILARITY: CONTAINS 1 WHEP-TRS DOMAIN.
CC
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CC
CC EMBL; D30658; BAA06338.1; -
CC EMBL; U09510; AAA86443.1; ALT_INIT.
CC EMBL; BC007722; AAH07722.1; -
CC EMBL; BC007755; AAH07755.1; -
CC EMBL; U09587; AAA57001.1; ALT_INIT.
CC EMBL; AC004976; AAC71652.1; -
CC HSP; P56206; LATI.
CC Genew; HGNC:4162; GARS.
CC MIM; 600287; -
CC InterPro: IPR002106; AALRNA_ligaseII.
CC InterPro: IPR004154; HGTP_anticodon.
CC InterPro: IPR000738; WHEP-TRS.
CC InterPro: IPR002314; tRNA-synt_2b.
CC InterPro: IPR002315; tRNA-synt_gly.
CC Pfam; PF00458; WHEP-TRS; 1.
CC Pfam; PF00587; tRNA-synt_2b; 1.
CC Pfam; PF03129; HGTP_anticodon; 1.
CC PRINTS; PR01043; TRNASYNTHGLY.
CC TIGRFAMS; TIGR00389; glys-dimeric; 1.
CC PROSITE; PS50862; AA_TRNA_LIGASE_II; 1.
CC PROSITE; PS00762; WHEP-TRS; 1.
KW Aminoacyl-tRNA synthetase; Protein biosynthesis; Ligase; ATP-binding.
FT DOMAIN 74 119 WHEP-TRS.
FT CONFLICT 530 530 M->I (IN REF. 2).
SQ SEQUENCE 739 AA; 83139 MW; 55DD57119F438E5 CRC64;
Query Match 100.0%; Score 31; DB 1; Length 739;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 568 EEVVPNVIEPS 578
RESULT 34
```



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KHL1_HUMAN
ID   KHL1_HUMAN          STANDARD;              PRT;   748 AA.
AC   Q9NR64; Q9NR65; Q9P238; Q9H4X4;
DT   16-OCT-2001 (Rel. 40, Created)
DT   16-OCT-2001 (Rel. 40, Last sequence update)
DT   16-OCT-2001 (Rel. 40, Last annotation update)
DE   Kelch-like protein 1.
GN   KHL1 OR KIAA1490.
OS   Homo sapiens (Human).
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX   NCBI_TaxID=9606;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=20347694; PubMed=10888605;
RA   Koob M.D., Nemes J.P., Benzow K.A.;
RT   "The SCA8 transcript is an antisense RNA to a brain-specific
RT   transcript encoding a novel actin-binding protein (KHL1).";
RL   Hum. Mol. Genet. 9:1543-1551(2000).
RN   [2]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=20277482; PubMed=10819331;
RA   Nagase T., Kikuno R., Ishikawa K.-I., Hirosewa M., Ohara O.;
RT   "Prediction of the coding sequences of unidentified human genes. XVII.
RT   The complete sequences of 100 new cDNA clones from brain which code
RT   for large proteins in vitro.";
RL   DNA Res. 7:143-150(2000).
RN   [3]
RP   SEQUENCE OF 179-409 FROM N.A.
RA   Kay M.;
RL   Submitted (AUG-2000) to the EMBL/GenBank/DBJ databases.
CC   -!- FUNCTION: MAY PLAY A ROLE IN ORGANIZING THE ACTIN CYTOSKELETON OF
CC   THE BRAIN CELLS.
CC   -!- SUBCELLULAR LOCATION: Cytoplasmic.
CC   -!- TISSUE SPECIFICITY: HIGHLY EXPRESSED IN BRAIN.
CC   -!- SIMILARITY: CONTAINS 1 BTB/POZ DOMAIN.
CC   -!- SIMILARITY: CONTAINS 6 KELCH REPEATS.
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CC   or send an email to license@isb-sib.ch).
CC   EMBL; AF252283; AAF81719.1; -.
CC   EMBL; AF252279; AAF81716.1; -.
CC   EMBL; AB040923; BAA96014.1; ALT_INIT.
CC   EMBL; AL353738; CAC16128.1; -.
CC   Genew; HGNC:6352; KHL1.
CC   MIM: 605332; -.
CC   InterPro; IPR000210; BTB_POZ.
CC   InterPro; IPR001798; Kelch.
CC   Pfam; PF00651; BTB; 1.
CC   Pfam; PF01344; Kelch; 6.
CC   PRINTS; PR00501; KELCHREPEAT.
CC   SMART; SM00225; BTB; 1.
CC   PROSITE; PS50097; BTB; 1.
KW   Cytoskeleton; Actin-binding; Repeat.
FT   DOMAIN 43..88
FT   DOMAIN 212..279
FT   REPEAT 460..506
FT   REPEAT 507..553
FT   REPEAT 555..600
FT   REPEAT 601..647
FT   REPEAT 649..700
FT   REPEAT 701..747
FT   REPEAT 748 AA; 82680 MW; C11C43D8282F9FF9 CRC64;
SQ   SEQUENCE 748 AA; 100.0%; Score 31; DB 1; Length 748;
Query Match
Best Local Similarity 45.5%; Pred. No. 2.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
Db 127 EEVVPGMDFPG 137
RESULT 35
Y4QF_RHISN
ID   Y4QF_RHISN          STANDARD;              PRT;   754 AA.
AC   P53627;
DT   01-NOV-1997 (Rel. 35, Created)
DT   01-NOV-1997 (Rel. 35, Last sequence update)
DT   30-MAY-2000 (Rel. 39, Last annotation update)
DE   Probable peptidase Y4QF (EC 3.4.21.-).
GN   Y4QF.
OS   Rhizobium sp. (strain NGR234).
OG   Plasmid sym PNGR234a.
OC   Bacteria; Proteobacteria; alpha subdivision; Rhizobiaceae group;
OC   Rhizobiaceae; Rhizobium.
OX   NCBI_TaxID=394;
RN   [1]
RP   SEQUENCE FROM N.A.
RX   MEDLINE=97305956; PubMed=9163424;
RA   Freiberg C.A., Fellay R., Bairoch A., Broughton W.J., Rosenthal A.,
RA   Perret X.;
RT   "Molecular basis of symbiosis between Rhizobium and legumes.";
RL   Nature 387:394-401(1997).
CC   -!- SIMILARITY: BELONGS TO PEPTIDASE FAMILY S9A.
CC   This SWISS-PROT entry is copyright. It is produced through a collaboration
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CC   or send an email to license@isb-sib.ch).
CC   EMBL; AE000092; AAB91830.1; -.
CC   MEROPS; S09.00A; -.
CC   InterPro; IPR001375; Peptidase_S9.
CC   InterPro; IPR004106; Peptidase_S9_N.
CC   InterPro; IPR002470; Proligo_Pfase.
CC   Pfam; PF00326; Peptidase_S9; 1.
CC   Pfam; PF02897; Peptidase_S9_N; 1.
CC   PRINTS; PR00862; PROLIGOPTASE.
CC   KW   Hypothetical protein; Hydrolase; Serine protease; Plasmid.
CC   FT   ACT_SITE 585..585
CC   FT   ACT_SITE 707..707
CC   FT   CHARGE RELAY SYSTEM (BY SIMILARITY).
CC   FT   CHARGE RELAY SYSTEM (BY SIMILARITY).
CC   SQ   SEQUENCE 754 AA; 84714 MW; B5CD67884FA74D23 CRC64;
Query Match
Best Local Similarity 100.0%; Score 31; DB 1; Length 754;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
Db 347 EEVVPFRAGVT 357
RESULT 36
YHT1_YEAST
ID   YHT1_YEAST          STANDARD;              PRT;   840 AA.
AC   P38835;
DT   01-FEB-1995 (Rel. 31, Created)
DT   01-FEB-1995 (Rel. 31, Last sequence update)
DT   01-OCT-1996 (Rel. 34, Last annotation update)
DE   Hypothetical 95.1 kDa protein in ACT5-YCK1 intergenic region.
GN   YHR131C.
OS   Saccharomyces cerevisiae (Baker's yeast).
OC   Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
OC   Saccharomycetales; Saccharomycetaceae; Saccharomyces.
OX   NCBI_TaxID=4932;
```

RN SEQUENCE FROM N.A.  
 RC STRAIN-S288C / AB972;  
 RA MEDLINE=94378003; PubMed=8091229;  
 RX Johnston M., Andrews S., Brinkman R., Cooper J., Ding H., Dover J.,  
 Du Z., Favella A., Fulton L., Gattung S., Geisel C., Kirsten J.,  
 Kucaba T., Hillier L., Jier M., Johnston L., Langston Y.,  
 Latreille P., Louis E.J., Macri C., Mardis E., Meneses S., Mouser L.,  
 Nhan M., Rifkin L., Riles L., St Peter H., Trevaskis E., Vaughan K.,  
 Vignati D., Wilcox L., Wohlman P., Waterston R., Wilson R.,  
 Vaudin M.;  
 RA "Complete nucleotide sequence of Saccharomyces cerevisiae chromosome  
 VIII.";  
 RT Science 265:2077-2082(1994).  
 RL  
 CC  
 CC -1- SIMILARITY: TO YEAST YNL144C.  
 CC  
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 CC  
 CC EMBL; U10398; AAB68414.1;  
 DR PIR; S48975; S48975.  
 DR HSP; Q00963; IDRO.  
 DR GSD; S0001173; YHRJ31C.  
 DR InterPro; IPR001849; PH.  
 DR Pfam; PF00169; PH; 1.  
 DR SMART; SM00233; PH; 1.  
 KW Hypothetical protein.  
 FT DOMAIN 312 325  
 FT 788 840 POLY-ARG.  
 FT 840 840 ASP/GLU-RICH (HIGHLY ACIDIC).  
 SQ SEQUENCE 840 AA; 95058 MW; 3A86717D3332A0DF CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 840;  
 Best Local Similarity 45.5%; Pred. No. 2.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 514 EEVVPKFPNS 524  
 RESULT 37  
 SUHW\_DROME STANDARD; PRT; 944 AA.  
 AC P08970;  
 DT 01-NOV-1988 (Rel. 09, Created)  
 DT 01-NOV-1988 (Rel. 09, Last sequence update)  
 DT 01-OCT-1994 (Rel. 30, Last annotation update)  
 DE Suppressor of hairy wing protein.  
 SU(HW).  
 OS Drosophila melanogaster (Fruit fly).  
 OC Eukaryota; Metazoa; Arthropoda; Mandibulata; Pancrustacea; Hexapoda;  
 OC Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera;  
 OC Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.  
 OX NCBI\_TaxID=7227;  
 RN  
 RN SEQUENCE FROM N.A.  
 RC STRAIN=Canton-S;  
 RA MEDLINE=89078955; PubMed=2462523;  
 RX Parkhurst S.M., Harrison D.A., Remington M.P., Spana C., Kelley R.L.,  
 RA Coyne R.S., Corces V.G.;  
 RA "The Drosophila su(Hw) gene, which controls the phenotypic effect of  
 RT the gypsy transposable element, encodes a putative DNA-binding  
 RT protein.";  
 RL Genes Dev. 2:1205-1215(1988).  
 RN [2]  
 RP CHARACTERIZATION.  
 RX MEDLINE=93178417; PubMed=8382607;  
 RA Roseman R.R., Pirrotta V., Gelyer P.K.;

RT "The su(Hw) protein insulates expression of the Drosophila  
 RL melanogaster white gene from chromosomal position-effects.";  
 RL EMBO J. 12:435-442(1993).  
 RN [3]  
 RP CHARACTERIZATION.  
 RX MEDLINE=94010293; PubMed=7916729;  
 RA Harrison D.A., Gaul D.A., Coyne R.S., Corces V.G.;  
 RA "A leucine zipper domain of the suppressor of Hairy-wing protein  
 RT mediates its repressive effect on enhancer function.";  
 RT Genes Dev. 7:1966-1978(1993).  
 CC  
 CC -1- FUNCTION: SU(HW) CONTROLS THE PHENOTYPIC EFFECT OF THE GYPSY  
 CC TRANSDUCIBLE ELEMENT. BINDS SPECIFICALLY TO A REGION OF THE GYPSY  
 CC ELEMENT LOCATED 3' OF THE 5'-LTR. IT IS PROBABLY A TRANSCRIPTION  
 CC FACTOR. COULD PLAY A ROLE IN THE ESTABLISHMENT OF CHROMATIN  
 CC DOMAINS.  
 CC -1- SUBCELLULAR LOCATION: Nuclear.  
 CC  
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 CC  
 CC EMBL; Y00228; CAA68371.1;  
 DR PIR; S01909; S01909.  
 DR HSP; P07248; 2ADR.  
 DR TRANSFAC; T00774;  
 DR FlyBase; FBgn0003567; su(Hw).  
 DR InterPro; IPR000822; znf.C2H2.  
 DR Pfam; PF00096; zf-C2H2; 12.  
 DR PRINTS; PR00048; ZNCFINGER.  
 DR SMART; SM00355; znf.C2H2; 11.  
 DR PROSITE; PS00157; ZINC\_FINGER\_C2H2\_1; 10.  
 DR PROSITE; PS00028; ZINC\_FINGER\_C2H2\_2; 11.  
 KW Transcription regulation; zinc-finger; Metal-binding; DNA-binding;  
 KW Repeat; Nuclear protein.  
 FT DOMAIN 155 202 ASP/GLU-RICH (ACIDIC).  
 FT 220 619 ZINC FINGERS.  
 FT 220 242 C2H2-TYPE.  
 FT 290 313 C2H2-TYPE.  
 FT 319 341 C2H2-TYPE.  
 FT 348 366 C2H2-TYPE.  
 FT 380 402 C2H2-TYPE.  
 FT 413 435 C2H2-TYPE.  
 FT 441 463 C2H2-TYPE.  
 FT 469 491 C2H2-TYPE.  
 FT 497 519 C2H2-TYPE.  
 FT 523 545 C2H2-TYPE.  
 FT 553 577 C2H2-TYPE.  
 FT 596 619 C2H2-TYPE.  
 SQ SEQUENCE 944 AA; 106276 MW; 27CA707E37FA687F CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 944;  
 Best Local Similarity 45.5%; Pred. No. 3.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 168 EEVVPGRINN 178  
 RESULT 38  
 TOPI\_CANGA  
 ID TOPI\_CANGA STANDARD; PRT; 1406 AA.  
 AC O93794;  
 DT 15-JUN-2002 (Rel. 41, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE DNA topoisomerase II (EC 5.99.1.3).  
 GN TOP2.  
 OS Candida glabrata (Yeast) (Torulopsis glabrata).

CC Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;  
 CC Saccharomycetales; mitosporic Saccharomycetales; Candida.  
 OX NCBI\_TaxID=5478;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RC STRAIN=ATCC 2001;  
 RX MEDLINE=98455808; PubMed=9782488;  
 RA Nakayama H., Izuta M., Nagahashi S., Sihta E.Y., Sato Y., Yamazaki T.,  
 RA Arisawa M., Kitada K.;  
 RT "A controllable gene-expression system for the pathogenic fungus  
 RT Candida glabrata";  
 RL Microbiology 144:2407-2415(1998).  
 CC -!- FUNCTION: CONTROL OF TOPOLOGICAL STATES OF DNA BY TRANSIENT  
 CC BREAKAGE AND SUBSEQUENT REJOINING OF DNA STRANDS. TOPOISOMERASE II  
 CC MAKES DOUBLE-STRAND BREAKS (BY SIMILARITY).  
 CC -!- CATALYTIC ACTIVITY: ATP-dependent breakage, passage and rejoining  
 CC of double-stranded DNA.  
 CC -!- SUBUNIT: HOMODIMER (BY SIMILARITY).  
 CC -!- SUBCELLULAR LOCATION: Nuclear (By similarity).  
 CC -!- MISCELLANEOUS: EUKARYOTIC TOPOISOMERASE I AND II CAN RELAX BOTH  
 CC NEGATIVE AND POSITIVE SUPERCOILS, WHEREAS PROKARYOTIC ENZYMES  
 CC RELAX ONLY NEGATIVE SUPERCOILS.  
 CC -!- SIMILARITY: BELONGS TO THE TYPE II TOPOISOMERASE FAMILY.  
 CC  
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 CC  
 DR EMBL; AB010644; BAA33955.1; -  
 DR HSP; P06786; IBGW.  
 DR InterPro; IPR003594; ATPbind\_ATPase.  
 DR InterPro; IPR003937; CBFA\_NFYB\_topis.  
 DR InterPro; IPR001241; DNA\_topoisomII.  
 DR InterPro; IPR002205; DNA\_topoisomIV.  
 DR Pfam; PF00204; DNA\_gyraseB; 1.  
 DR Pfam; PF02518; HATPase\_c; 1.  
 DR Pfam; PF00521; DNA\_topoisomIV; 1.  
 DR PRINTS; PR00615; CCAATSUBUNTA.  
 DR PRINTS; PR00418; TPI2FAMILY.  
 DR ProDom; PD000742; DNA\_topoisomIV; 1.  
 DR SMART; SM00387; HATPase\_c; 1.  
 DR SMART; SM00433; TOP2c; 1.  
 DR SMART; SM00434; TOP4c; 1.  
 DR PROSITE; PS00177; TOPOISOMERASE\_II; 1.  
 KW Isomerase; Topoisomerase; DNA-binding; ATP-binding; Phosphorylation;  
 KW Nuclear protein.  
 FT NP\_BIND 139 144 ATP (POTENTIAL).  
 FT ACT\_SITE 780 780 DNA CLEAVAGE (BY SIMILARITY).  
 SQ SEQUENCE 1406 AA; 161017 MW; 97A1CD6B49A5D91 CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 1406;  
 Best Local Similarity 45.5%; Pred. No. 5.2e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 1357 EEVVPVRRRS 1367  
 RESULT 39  
 A10C\_HUMAN STANDARD; PRT; 1499 AA.  
 AC O60312; Q96914;  
 DT 30-MAY-2000 (Rel. 39, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Potential phospholipid-transporting ATPase VC (EC 3.6.3.1) (ATPVC)  
 DE (Aminophospholipid translocase VC).  
 GN ATP10C OR ATPVC OR KIAA0566.

OS Homo sapiens (Human).  
 CC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 CC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 OX NCBI\_TaxID=9606;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RX MEDLINE=21225279; PubMed=11326269;  
 RA Meguro M., Kashiwagi A., Mitsuya K., Nakao M., Kondo I., Saitoh S.,  
 RA Oshimura M.;  
 RT "A novel maternally expressed gene, ATP10C, encodes a putative  
 RT aminophospholipid translocase associated with Angelman syndrome.";  
 RL Nat. Genet. 28:19-20(2001).  
 CC -!- FUNCTION: CONTROL OF TOPOLOGICAL STATES OF DNA BY TRANSIENT  
 CC BREAKAGE AND SUBSEQUENT REJOINING OF DNA STRANDS. TOPOISOMERASE II  
 CC MAKES DOUBLE-STRAND BREAKS (BY SIMILARITY).  
 CC -!- CATALYTIC ACTIVITY: ATP-dependent breakage, passage and rejoining  
 CC of double-stranded DNA.  
 CC -!- SUBUNIT: HOMODIMER (BY SIMILARITY).  
 CC -!- SUBCELLULAR LOCATION: Nuclear (By similarity).  
 CC -!- MISCELLANEOUS: EUKARYOTIC TOPOISOMERASE I AND II CAN RELAX BOTH  
 CC NEGATIVE AND POSITIVE SUPERCOILS, WHEREAS PROKARYOTIC ENZYMES  
 CC RELAX ONLY NEGATIVE SUPERCOILS.  
 CC -!- SIMILARITY: BELONGS TO THE TYPE II TOPOISOMERASE FAMILY.  
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 CC  
 DR EMBL; AB051358; BAB47392.1; -  
 DR EMBL; AY029504; AAK33100.1; JOINED.  
 DR EMBL; AY029487; AAK33100.1; JOINED.  
 DR EMBL; AY029488; AAK33100.1; JOINED.  
 DR EMBL; AY029489; AAK33100.1; JOINED.  
 DR EMBL; AY029490; AAK33100.1; JOINED.  
 DR EMBL; AY029491; AAK33100.1; JOINED.  
 DR EMBL; AY029492; AAK33100.1; JOINED.  
 DR EMBL; AY029493; AAK33100.1; JOINED.  
 DR EMBL; AY029494; AAK33100.1; JOINED.  
 DR EMBL; AY029495; AAK33100.1; JOINED.  
 DR EMBL; AY029496; AAK33100.1; JOINED.  
 DR EMBL; AY029497; AAK33100.1; JOINED.  
 DR EMBL; AY029498; AAK33100.1; JOINED.  
 DR EMBL; AY029499; AAK33100.1; JOINED.  
 DR EMBL; AY029500; AAK33100.1; JOINED.  
 DR EMBL; AY029501; AAK33100.1; JOINED.  
 DR EMBL; AY029502; AAK33100.1; JOINED.  
 DR EMBL; AY029503; AAK33100.1; JOINED.  
 DR EMBL; AB011138; BAA25492.1; -  
 DR GenSeq; HGNC:13547; ATP10C.  
 DR MIM; 605855; -  
 DR MIM; 105830; -  
 DR InterPro; IPR001757; ATPase\_E1-E2.  
 DR InterPro; IPR001454; Hlgnaase/hydriase.  
 DR Pfam; PF00702; Hydrolase; 1.

```

DR PRINTS: PR00119; CATAPASE.
DR PROSITE: PS00154; ATPASE_E12; 1.
KW Hydrolase; Transmembrane; Phosphorylation; Magnesium; ATP-binding;
KW Multigene family.
FT DOMAIN 1 86
FT TRANSMEM 87 106
FT DOMAIN 107 110
FT TRANSMEM 111 128
FT DOMAIN 129 309
FT TRANSMEM 310 332
FT DOMAIN 337 362
FT TRANSMEM 363 384
FT DOMAIN 385 1087
FT TRANSMEM 1088 1108
FT DOMAIN 1109 1119
FT TRANSMEM 1120 1140
FT DOMAIN 1141 1170
FT TRANSMEM 1171 1192
FT DOMAIN 1193 1199
FT TRANSMEM 1200 1222
FT DOMAIN 1223 1228
FT TRANSMEM 1229 1249
FT DOMAIN 1250 1267
FT TRANSMEM 1268 1292
FT DOMAIN 1293 1499
FT MOD_RES 427 427
FT METAL 1031 1031
FT METAL 1035 1035
FT DOMAIN 467 470
FT CONFLICT 388 388
FT SEQUENCE 1499 AA; 167687 MW; D4996A4D0635A68D CRC64;

Query Match 100.0%; Score 31; DB 1; Length 1499;
Best Local Similarity 45.5%; Pred. NO. 5.6e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXXX 11
DB 469 EEVVPVGGSVS 479
|||||:||||:

RESULT 40
UVRA_CHLTR STANDARD; PRT; 1786 AA.
AC O84337;
DT 30-MAY-2000 (Rel. 39, Created)
DT 30-MAY-2000 (Rel. 39, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Excinuclease ABC subunit A.
GN UVRA OR CT333.
OS Chlamydia trachomatis.
OC Bacteria; Chlamydiales; Chlamydiaceae; Chlamydia.
OX NCBI_TaxID=813;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=D/UW-3/Cx;
RX MEDLINE=9900809; PubMed=9784136;
RA Stephens R.S., Kalman S., Lammel C.J., Fan J., Marathe R., Aravind L.,
RA Mitchell W.P., Olinger L., Tatusov R.L., Zhao Q., Koonin E.V.,
RA Davis R.W.;
RT "Genome sequence of an obligate intracellular pathogen of humans:
RT Chlamydia trachomatis.";
RL Science 282:754-759(1998).
CC -1- FUNCTION: THE ABC EXCISION NUCLEASE IS A DNA REPAIR ENZYME THAT
CC CATALYZES THE EXCISION REACTION OF UV-DAMAGED NUCLEOTIDE SEGMENTS
CC PRODUCING OLIGOMERS HAVING THE MODIFIED BASE(S). UVRA IS AN ATPASE
CC AND A DNA-BINDING PROTEIN THAT PREFERENTIALLY BINDS SINGLE-
CC STRANDED OR UV-IRRADIATED DOUBLE-STRANDED DNA (BY SIMILARITY).
CC -1- SUBUNIT: CONSISTS OF THREE SUBUNITS: UVRA, UVRB AND UVRC.
CC -1- SUBCELLULAR LOCATION: Cytoplasmic (By similarity).
CC -1- SIMILARITY: BELONGS TO THE ABC TRANSPORTER FAMILY. UVRA SUBFAMILY.
CC CONTAINS FOUR ABC DOMAINS.

```

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CC entities requires a license agreement (See http://www.isb-sib.ch/announce/
CC or send an email to license@isb-sib.ch).
CC -----
DR EMBL; AE001306; AAC67928.1; -.
DR InterPro; IPR003439; ABC_transportr.
DR InterPro; IPR004602; UvrA.
DR Pfam; PF00005; ABC_tran; 2.
DR ProDom; PD000006; ABC_transportr; 1.
DR TIGRFAMs; TIGR00630; uvrA; 1.
DR PROSITE; PS00211; ABC_TRANSPORTER; FALSE_NEG.
KW SOS response; Excision nuclease; DNA repair; ATP-binding; Repeat;
KW DNA-binding; zinc-finger; Complete proteome.
FT NP_BIND 32 39
FT NP_BIND 625 632
FT NP_BIND 964 971
FT NP_BIND 1516 1523
FT ZN_FING 719 742
FT ZN_FING 1602 1628
FT SEQUENCE 1786 AA; 196948 MW; 02D6862EE15DE070 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 1786;
Best Local Similarity 45.5%; Pred. NO. 6.7e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXXX 11
DB 178 EEVVPVHRLT 188
|||||:||||:

RESULT 41
POLG_BCMVN STANDARD; PRT; 3066 AA.
AC Q65399;
DT 15-DEC-1998 (Rel. 37, Created)
DT 15-DEC-1998 (Rel. 37, Last sequence update)
DT 15-JUN-2002 (Rel. 41, Last annotation update)
DE Genome polyprotein [Contains: N-terminal protein (P1); 6 kDa
DE component proteinase (EC 3.4.22.45) (HC-Pro); Protein P3; 6 kDa
DE protein 1 (6K1); Cytoplasmic inclusion protein (CI); 6 kDa-protein 2
DE (6K2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A)
DE (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-Pro); Nuclear
DE inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase)
DE (EC 2.7.7.48); Coat protein (CP)].
OS Bean common mosaic virus (strain NL-3 / Michigan) (BCMV).
OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;
OC Potyvirus.
OX NCBI_TaxID=12196;
RN [1]
RP SEQUENCE FROM N.A.
RC MEDLINE=96191623; PubMed=8607279;
RA Fang G.W., Allison R.F., Zambolim E.M., Maxwell D.P., Gilbertson R.L.;
RT "The complete nucleotide sequence and genome organization of bean
RL common mosaic virus (NL3 strain).";
RL Virus Res. 39:13-23(1995).
CC -1- FUNCTION: HELPER COMPONENT-PROTEINASE IS REQUIRED FOR APHID
CC TRANSMISSION AND ALSO HAS PROTEOLYTIC ACTIVITY.
CC -1- FUNCTION: CYTOPLASMIC INCLUSION PROTEIN HAS HELICASE ACTIVITY. IT
CC MAY BE INVOLVED IN REPLICATION.
CC -1- FUNCTION: NUCLEAR INCLUSION PROTEIN A HAS PROTEOLYTIC ACTIVITY.
CC -1- CATALYTIC ACTIVITY: Hydrolyzes glutamyl bonds, and activity is
CC further restricted by preferences for the amino acids in p6 - p1',
CC that vary with the species of potyvirus, e.g. Glu-Xaa-Xaa-Tyr-Xaa-
CC Gln+(Ser or Gly) for the enzyme from tobacco etch virus. The
CC natural substrate is the viral polyprotein, but other proteins and
CC oligopeptides containing the appropriate consensus sequence are
CC also cleaved.
CC -1- CATALYTIC ACTIVITY: N nucleoside triphosphate = N diphosphate +
CC [RNA](N).

```

CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the processing of the potyviral polyprotein.

CC -!- PTM: VPG IS COVALENTLY LINKED TO THE GENOMIC RNA.

CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE POLYPEPTIDE WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT INDIVIDUAL PROTEINS.

CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.

CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.

CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPEPTIDE FAMILY.

CC -----

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CC -----

CC EMBL; U19287; AAB02170.1; -.

CC MEROPS; C04.003; -.

CC MEROPS; C06.001; -.

CC MEROPS; S30.001; -.

CC InterPro; IPR001410; DEAD.

CC InterPro; IPR001650; Helicase\_C.

CC InterPro; IPR001730; Peptidase\_C4.

CC InterPro; IPR001456; Peptidase\_C6.

CC InterPro; IPR002540; Poty\_P1.

CC InterPro; IPR001592; Poty\_coat.

CC InterPro; IPR001205; RNA\_pol\_P3D.

CC InterPro; IPR001254; Ser\_protease\_Try.

CC Pfam; PF00271; helicase\_C; 1.

CC Pfam; PF00680; RNA\_dep\_RNA\_pol; 1.

CC Pfam; PF00767; Poty\_coat; 1.

CC Pfam; PF00851; Peptidase\_C6; 1.

CC Pfam; PF01577; Poty\_P1; 1.

CC PRINTS; PR00966; NIAPOTYPTASE.

CC SMART; SM00487; DEXDC; 1.

CC SMART; SM00490; HELIC; 1.

KW Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase;

KW Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase;

KW ATP-binding.

FT CHAIN 1 ? N-TERMINAL PROTEIN.

FT CHAIN ? ? HELPER COMPONENT PROTEINASE.

FT CHAIN ? ? PROTEIN P3.

FT CHAIN ? ? 6 KDA PROTEIN 1.

FT CHAIN ? ? CYTOPLASMIC INCLUSION PROTEIN.

FT CHAIN ? ? 6 KDA PROTEIN 2.

FT CHAIN ? ? GENOME-LINKED PROTEIN.

FT CHAIN ? ? NUCLEAR INCLUSION PROTEIN A.

FT CHAIN ? ? NUCLEAR INCLUSION PROTEIN B.

FT CHAIN ? ? COAT PROTEIN.

FT CHAIN ? 3066

FT NP\_BIND 1258 1265 ATP (POTENTIAL).

FT SEQUENCE 3066 AA; 35038 MW; E358955297FA3F59 CRC64;

Query Match 100.0%; Score 31; DB 1; Length 3066;

Best Local Similarity 45.5%; Pred. No. 1.2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 541 EEVVPSEGVKK 551

RESULT 42

POLG SBMVG

ID POLG SBMVG STANDARD; PRT; 3066 AA.

AC Q20069;

DT 15-DEC-1998 (Rel. 37, Created)

DT 15-DEC-1998 (Rel. 37, Last sequence update)

DT 15-JUN-2002 (Rel. 41, Last annotation update)

DE Genome polyprotein [Contains: N-terminal protein (P1); Helper component proteinase (EC 3.4.22.45) (HC-Pro); Protein p3; 6 kDa protein 1 (6K1); Cytoplasmic inclusion protein (CI); 6 kDa protein 2 (6K2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A) (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-Pro); Nuclear inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase) (EC 2.7.7.48); Coat protein (CP)].

OS Soybean mosaic virus (strain G2) (SMV).

OC Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;

OC Potyvirus

OX NCBI\_TaxID=103931;

RP [1]

RN SEQUENCE FROM N.A.

RX MEDLINE=92356085; PubMed=1645142;

RA Jayaram C., Hill J.H., Miller W.A.;

RT "Complete nucleotide sequences of two soybean mosaic virus strains differentiated by response of soybean containing the Rsv resistance gene.";

RL J. Gen. Virol. 73:2067-2077(1992).

CC -!- FUNCTION: Helper component-proteinase is required for aphid transmission and also has proteolytic activity.

CC -!- FUNCTION: Cytoplasmic inclusion protein has helicase activity. It may be involved in replication.

CC -!- FUNCTION: Nuclear inclusion protein A has proteolytic activity.

CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the processing of the potyviral polyprotein.

CC -!- CATALYTIC ACTIVITY: Hydrolyzes glutamyl bonds, and activity is further restricted by preferences for the amino acids in P6 - P1, that vary with the species of potyvirus, e.g. Glu-Xaa-Xaa-Tyr-Xaa-Gln+(Ser or Gly) for the enzyme from tobacco etch virus. The natural substrate is the viral polyprotein, but other proteins and oligopeptides containing the appropriate consensus sequence are also cleaved.

CC -!- CATALYTIC ACTIVITY: N nucleoside triphosphate - N diphosphate + [RNA](N).

CC -!- PTM: VPG IS COVALENTLY LINKED TO THE GENOMIC RNA.

CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE POLYPEPTIDE WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT INDIVIDUAL PROTEINS.

CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.

CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.

CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPEPTIDE FAMILY.

CC -----

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CC -----

CC EMBL; S42280; AAB22819.2; -.

CC MEROPS; C04.003; -.

CC MEROPS; C06.001; -.

CC InterPro; IPR001410; DEAD.

CC InterPro; IPR001650; Helicase\_C.

CC InterPro; IPR001730; Peptidase\_C4.

CC InterPro; IPR001456; Peptidase\_C6.

CC InterPro; IPR002540; Poty\_P1.

CC InterPro; IPR001592; Poty\_coat.

CC InterPro; IPR001205; RNA\_pol\_P3D.

CC InterPro; IPR001254; Ser\_protease\_Try.

CC Pfam; PF00271; helicase\_C; 1.

CC Pfam; PF00680; RNA\_dep\_RNA\_pol; 1.

CC Pfam; PF00767; Poty\_coat; 1.

CC Pfam; PF00851; Peptidase\_C6; 1.

CC Pfam; PF00863; Peptidase\_C4; 1.

CC Pfam; PF01577; Poty\_P1; 1.

CC PRINTS; PR00966; NIAPOTYPTASE.

CC SMART; SM00487; DEXDC; 1.

CC SMART; SM00490; HELIC; 1.

KW Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase;  
 KW Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase;  
 KW ATP-binding.  
 FT CHAIN 1 ? N-TERMINAL PROTEIN.  
 FT CHAIN 2 ? HELPER COMPONENT PROTEINASE.  
 FT CHAIN 3 ? PROTEIN P3.  
 FT CHAIN 4 ?  
 FT CHAIN 5 ?  
 FT CHAIN 6 ? 6 KDA PROTEIN 1.  
 FT CHAIN 7 ? CYTOPLASMIC INCLUSION PROTEIN.  
 FT CHAIN 8 ? 6 KDA PROTEIN 2.  
 FT CHAIN 9 ? GENOME-LINKED PROTEIN.  
 FT CHAIN 10 ? NUCLEAR INCLUSION PROTEIN A.  
 FT CHAIN 11 ? NUCLEAR INCLUSION PROTEIN B.  
 FT CHAIN 12 ? COAT PROTEIN.  
 FT NP\_BIND 1249 1256 ATP (POTENTIAL).  
 FT SEQUENCE 3066 AA; 349538 MW; 2188A79DBD155399 CRC64;  
 SQ  
 Query Match 100.0%; Score 31; DB 1; Length 3066;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 532 EEVVPSEGYSK 542  
 RESULT 43  
 POLG\_SBMVN STANDARD; PRT; 3066 AA.  
 AC P21231;  
 DT 01-MAY-1991 (Rel. 18, Created)  
 DT 15-JUN-2002 (Rel. 41, Last sequence update)  
 DT 15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Genome polyprotein [Contains: N-terminal protein (P1); Helper  
 component proteinase (EC 3.4.22.45) (HC-pro); Protein P3; 6 kDa  
 protein 1 (6k1); Cytoplasmic inclusion protein (CI); 6 kDa protein 2  
 (6k2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A)  
 (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-Pro); Nuclear  
 inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase)  
 (EC 2.7.7.48); Coat protein (CP)].  
 DE Soybean mosaic virus (strain N) (SMV).  
 OS Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;  
 OC Potyvirus.  
 OC NCBI\_TaxID=12223;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Eggenberger A.L., Beachy R.N., Hill J.H.;  
 RT "Two genes of soybean mosaic virus are involved in the interaction  
 with the Rsv1 resistance allele of soybean.";  
 RL Submitted (DEC-2000) to the EMBL/GenBank/DBJ databases.  
 RN [2]  
 RP SEQUENCE OF 2764-3066 FROM N.A., AND SEQUENCE OF 2845-2859.  
 RX MEDLINE=89293090; PubMed=2661723;  
 RA Eggenberger A.L., Stark D.M., Beachy R.N.;  
 RT "The nucleotide sequence of a soybean mosaic virus coat  
 protein-coding region and its expression in Escherichia coli,  
 RT Agrobacterium tumefaciens and tobacco callus.";  
 RL J. Gen. Virol. 70:1853-1860(1989).  
 CC  
 CC -!- FUNCTION: Helper component-proteinase is required for aphid  
 transmission and also has proteolytic activity (By similarity).  
 CC -!- FUNCTION: Cytoplasmic inclusion protein has helicase activity. It  
 may be involved in replication (By similarity).  
 CC -!- FUNCTION: Nuclear inclusion protein A has proteolytic activity (By  
 similarity).  
 CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-  
 terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the  
 processing of the potyviral polyprotein.  
 CC -!- CATALYTIC ACTIVITY: Hydrolyses glutamyl bonds, and activity is  
 further restricted by preferences for the amino acids in P6 - P1'  
 that vary with the species of polyvirus, e.g. Glu-Xaa-Xaa-Tyr-Xaa-  
 Gln-(Ser or Gly) for the enzyme from tobacco etch virus. The  
 natural substrate is the viral polyprotein, but other proteins and  
 CC oligopeptides containing the appropriate consensus sequence are  
 CC also cleaved.

CC -!- CATALYTIC ACTIVITY: N nucleoside triphosphate = N diphosphate +  
 CC {RNA}(N).  
 CC -!- PTM: VPG is covalently linked to the genomic RNA.  
 CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE  
 CC POLYPROTEIN WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC  
 CC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT  
 CC INDIVIDUAL PROTEINS.  
 CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.  
 CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.  
 CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPROTEIN FAMILY.  
 CC -----  
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 CC or send an email to [license@isb-sib.ch](mailto:license@isb-sib.ch)).  
 CC -----  
 CC EMBL; D00507; BAA00398.2; -;  
 CC PIR; PS0081; PS0081.  
 CC InterPro; IPR001205; RNA\_pol\_P3D.  
 CC InterPro; IPR001410; DEAD.  
 CC InterPro; IPR001456; Peptidase\_C6.  
 CC InterPro; IPR001592; Poty\_coat.  
 CC InterPro; IPR001650; Helicase\_C.  
 CC InterPro; IPR001730; Peptidase\_C4.  
 CC InterPro; IPR002540; Poty\_P1.  
 CC Pfam; PF00271; helicase\_C; 1.  
 CC Pfam; PF00680; RNA\_dep\_RNA\_pol; 1.  
 CC Pfam; PF00767; Poty\_coat; 1.  
 CC Pfam; PF00851; Peptidase\_C6; 1.  
 CC Pfam; PF00863; Peptidase\_C4; 1.  
 CC Pfam; PF01577; Poty\_P1; 1.  
 CC PRINTS; PR00966; NIAPOTVPTASE.  
 CC SMART; SM00487; DEXDC; 1.  
 CC SMART; SM00490; HELICC; 1.  
 CC Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase;  
 KW Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase;  
 KW ATP-binding.  
 FT CHAIN 1 302 N-TERMINAL PROTEIN (BY SIMILARITY).  
 FT CHAIN 303 765 HELPER COMPONENT PROTEINASE (BY  
 FT SIMILARITY).  
 FT CHAIN 766 ? PROTEIN P3 (BY SIMILARITY).  
 FT CHAIN ? 1164 6 KDA PROTEIN 1 (BY SIMILARITY).  
 FT CHAIN 1165 1798 CYTOPLASMIC INCLUSION PROTEIN (BY  
 FT SIMILARITY).  
 FT CHAIN 1799 1851 6 KDA PROTEIN 2 (BY SIMILARITY).  
 FT CHAIN 1852 2041 GENOME-LINKED PROTEIN (BY SIMILARITY).  
 FT CHAIN 2042 2284 NUCLEAR INCLUSION PROTEIN A (BY  
 FT SIMILARITY).  
 FT CHAIN 2285 2801 NUCLEAR INCLUSION PROTEIN B (BY  
 FT SIMILARITY).  
 FT CHAIN 2802 3066 COAT PROTEIN (BY SIMILARITY).  
 FT NP\_BIND 1249 1256 ATP (POTENTIAL).  
 FT CONFLICT 2764 2764 A -> L (IN REF. 2).  
 SQ SEQUENCE 3066 AA; 349841 MW; 394149153DD5328F CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 3066;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db 532 EEVVPSEGYSK 542  
 RESULT 44  
 POLG\_PEMVM STANDARD; PRT; 3099 AA.  
 ID POLG\_PEMVM  
 AC O56075;  
 DT 15-JUL-1999 (Rel. 38, Created)  
 DT 15-JUL-1999 (Rel. 38, Last sequence update)

15-JUN-2002 (Rel. 41, Last annotation update)  
 DE Genome polyprotein [Contents: N-terminal protein (P1); Helper  
 DE component proteinase (EC 3.4.22.45) (HC-Pro); Protein P3; 6 kDa  
 DE protein 1 (6K1); Cytoplasmic inclusion protein (CI); 6 kDa protein 2  
 DE (6K2); Genome-linked protein (VPG); Nuclear inclusion protein A (NI-A)  
 DE (NIA) (EC 3.4.22.44) (49 kDa proteinase) (49 kDa-Pro); Nuclear  
 DE inclusion protein B (NI-B) (NIB) (RNA-directed RNA polymerase) (EC  
 DE 2.7.7.48); Coat protein (CP)]  
 OS Peanut mottle virus (strain M)  
 OS Viruses; ssRNA positive-strand viruses, no DNA stage; Potyviridae;  
 OC Potyvirus.  
 OC NCBI\_TaxID=103926;  
 RN [1]  
 RA Flasinaki S., Gonzales R.A., Cassidy B.G.;  
 RT "The complete nucleotide sequence of peanut mottle virus (M strain)  
 RT genomic RNA.";  
 RL Submitted (SEP-1997) to the EMBL/GenBank/DBJ databases.  
 CC -!- FUNCTION: HELPER COMPONENT-PROTEINASE IS REQUIRED FOR APHID  
 CC TRANSMISSION AND ALSO HAS PROTEOLYTIC ACTIVITY.  
 CC -!- FUNCTION: CYTOPLASMIC INCLUSION PROTEIN HAS HELICASE ACTIVITY. IT  
 CC MAY BE INVOLVED IN REPLICATION.  
 CC -!- FUNCTION: NUCLEAR INCLUSION PROTEIN A HAS PROTEOLYTIC ACTIVITY.  
 CC -!- CATALYTIC ACTIVITY: Hydrolyzes glutamyl bonds, and activity is  
 CC further restricted by preferences for the amino acids in P6 - P1,  
 CC that vary with the species of potyvirus, e.g. Glu-Xaa-Xaa-Tyr-Xaa-  
 CC Gln-(Ser or Gly) for the enzyme from tobacco etch virus. The  
 CC natural substrate is the viral polyprotein, but other proteins and  
 CC oligopeptides containing the appropriate consensus sequence are  
 CC also cleaved.  
 CC -!- CATALYTIC ACTIVITY: N nucleoside triphosphate = N diphosphate +  
 CC [RNA] (N).  
 CC -!- CATALYTIC ACTIVITY: Hydrolyzes a Gly-I-Gly bond at its own C-  
 CC terminus, commonly in the sequence -Tyr-Xaa-Val-Gly-I-Gly, in the  
 CC processing of the potyviral polyprotein.  
 CC -!- PTM: VPG IS COVALENTLY LINKED TO THE GENOMIC RNA.  
 CC -!- PTM: THE VIRAL RNA OF POTYVIRUSES IS EXPRESSED AS A SINGLE  
 CC POLYPEPTIDE WHICH UNDERGOES POSTTRANSLATIONAL PROTEOLYTIC  
 CC PROCESSING RESULTING IN THE PRODUCTION OF AT LEAST EIGHT  
 CC INDIVIDUAL PROTEINS.  
 CC -!- SIMILARITY: HC PROTEINASE BELONGS TO PEPTIDASE FAMILY C6.  
 CC -!- SIMILARITY: NI-A PROTEINASE BELONGS TO PEPTIDASE FAMILY C4.  
 CC -!- SIMILARITY: BELONGS TO THE POTYVIRUSES POLYPEPTIDE FAMILY.  
 CC -----  
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 CC or send an email to [license@isb-sib.ch](mailto:license@isb-sib.ch)).  
 CC -----  
 CC EMBL: AF023848; AAB94595.1;  
 CC MEROPS: S30.001;  
 CC InterPro: IPR001410; DEAD.  
 CC InterPro: IPR001650; Helicase\_C.  
 CC InterPro: IPR001730; Peptidase\_C4.  
 CC InterPro: IPR001456; Peptidase\_C6.  
 CC InterPro: IPR002540; Poty\_P1.  
 CC InterPro: IPR001592; Poty\_coat.  
 CC InterPro: IPR001205; RNA\_pol\_P3D.  
 CC InterPro: IPR001254; Ser\_protease\_Try.  
 CC Pfam: PF00271; Helicase\_C; 1.  
 CC Pfam: PF00680; RNA\_dep\_RNA\_pol; 1.  
 CC Pfam: PF00767; Poty\_coat; 1.  
 CC Pfam: PF00851; Peptidase\_C6; 1.  
 CC Pfam: PF00863; Peptidase\_C4; 1.  
 CC Pfam: PF01577; Poty\_P1; 1.  
 CC PRINTS: PR00966; NIAPOTYPTASE.  
 CC SMART: SM00487; DEXDC; 1.  
 CC SMART: SM00490; HELIC; 1.  
 CC Hydrolase; Transferase; Thiol protease; RNA-directed RNA polymerase;  
 CC Coat protein; Polyprotein; Covalent protein-RNA linkage; Helicase;

KW ATP-binding. 1 322 N-TERMINAL PROTEIN.  
 FT CHAIN 323 779 HELPER COMPONENT PROTEINASE.  
 FT CHAIN 780 1128 PROTEIN P3.  
 FT CHAIN 1129 1180 6 KDA PROTEIN 1.  
 FT CHAIN 1181 1814 CYTOPLASMIC INCLUSION PROTEIN.  
 FT CHAIN 1815 1867 6 KDA PROTEIN 2.  
 FT CHAIN 1868 ? GENOME-LINKED PROTEIN.  
 FT CHAIN ? 2303 NUCLEAR INCLUSION PROTEIN A.  
 FT CHAIN 2304 2821 NUCLEAR INCLUSION PROTEIN B.  
 FT CHAIN 2822 3099 COAT PROTEIN.  
 FT CHAIN 1868 2303 PUTATIVE NUCLEAR INCLUSION PROTEIN A.  
 FT NP\_BIND 1265 1272 ATP (POTENTIAL).  
 SQ SEQUENCE 3099 AA; 351032 MW; 0D8E9FC7603FOA4B CRC64;  
 Query Match 100.0%; Score 31; DB 1; Length 3099;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 DB 546 EEVPPGGYKK 556  
 |||||:||||:|  
 RESULT 45  
 DYHA\_CHLRE STANDARD; PRT; 4499 AA.  
 ID DYHA\_CHLRE  
 AC Q39610;  
 DT 01-NOV-1997 (Rel. 35, Created)  
 DT 16-OCT-2001 (Rel. 40, Last sequence update)  
 DT 16-OCT-2001 (Rel. 40, Last annotation update)  
 DE Dynein alpha chain, flagellar outer arm (DHC alpha).  
 GN ODA11 OR ODA-11.  
 OS Chlamydomonas reinhardtii.  
 OC Eukaryota; Viridiplantae; Chlorophyta; Chlorophyceae; Volvocales;  
 OC Chlamydomonadaceae; Chlamydomonas.  
 OX NCBI\_TaxID=3055;  
 RN [1]  
 RP SEQUENCE FROM N.A., AND REVISIONS.  
 RC STRAIN-21gr;  
 RX MEDLINE-97329535; PubMed-9186009;  
 RA Mitchell D.R., Brown K.S.;  
 RT "Sequence analysis of the Chlamydomonas reinhardtii flagellar alpha  
 RT dynein gene."  
 RL Cell Motil. Cytoskeleton 37:120-126(1997).  
 RN [2]  
 RP SEQUENCE OF 1142-4499 FROM N.A.  
 RC STRAIN-21gr;  
 RX MEDLINE-94274778; PubMed-8006077;  
 RA Mitchell D.R., Brown K.S.;  
 RT "Sequence analysis of the Chlamydomonas alpha and beta dynein heavy  
 RT chain genes."  
 RL J. Cell Sci. 107:635-644(1994).  
 CC -!- FUNCTION: FORCE GENERATING PROTEIN OF EUKARYOTIC CILIA AND  
 CC FLAGELLA. PRODUCES FORCE TOWARDS THE MINUS ENDS OF MICROTUBULES.  
 CC DYNEIN HAS ATPASE ACTIVITY.  
 CC -!- SUBUNIT: CONSISTS OF AT LEAST 3 HEAVY CHAINS (ALPHA, BETA AND  
 CC GAMMA), 2 INTERMEDIATE CHAINS AND 8 LIGHT CHAINS.  
 CC -!- SIMILARITY: BELONGS TO THE DYNEIN HEAVY CHAIN FAMILY.  
 CC -----  
 CC This SWISS-PROT entry is copyright. It is produced through a collaboration  
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 CC modified and this statement is not removed. Usage by and for commercial  
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 CC or send an email to [license@isb-sib.ch](mailto:license@isb-sib.ch)).  
 CC -----  
 CC EMBL: L26049; AAA57316.2;  
 CC InterPro: IPR003593; AAA\_ATPase.  
 CC InterPro: IPR004273; Dynein\_heavy.  
 CC InterPro: IPR001298; Filamin.  
 CC InterPro: IPR002909; IPT\_TIG.

DR InterPro; IPR001798; Kelch.  
DR Pfam; PF00630; Filamin; 1.  
DR Pfam; PF01344; Kelch; 8.  
DR Pfam; PF01833; TIG; 1.  
DR Pfam; PF03028; Dynein\_heavy; 1.  
DR SMART; SM00382; AAA; 3.  
DR SMART; SM00429; IPT; 1.  
DR PROSITE; PS0194; FILAMIN\_REPEAT; 1.  
KW Motor protein; Microtubules; Dynein; ATP-binding; Flagella;  
KW Coiled coil.  
FT REPEAT 425 534  
FT DOMAIN 1261 1334  
FT DOMAIN 1382 1450  
FT DOMAIN 1836 1864  
FT DOMAIN 2655 2688  
FT DOMAIN 3003 3023  
FT DOMAIN 3170 3262  
FT DOMAIN 3486 3515  
FT NP\_BIND 1716 1723  
FT NP\_BIND 2019 2026  
FT NP\_BIND 2369 2376  
FT NP\_BIND 2717 2754  
SQ SEQUENCE 4499 AA; 503606 MW; 319AC7FD30F1591A CRC64;

Query Match 100.0%; Score 31; DB 1; Length 4499;  
Best Local Similarity 45.5%; Pred.No. 1.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 1493 EEVVGRRPKA 1503

Search completed: May 29, 2003, 16:57:06  
Job time : 11 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 29, 2003, 16:56:39 ; Search time 35 Seconds  
(without alignments)  
41.879 Million cell updates/sec

Title: AUDET-909164-5

Perfect score: 31

Sequence: 1 eevvpxxxxx 11

Scoring table: BLOSUM62DX

Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 164

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%

Maximum Match 100%

Listing first 600 summaries

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23: /SIDS2/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	31	100.0	11	23	ABR0521
2	31	100.0	11	23	ABR0522
3	31	100.0	11	23	ABR0523
4	31	100.0	11	23	ABR0524
5	31	100.0	11	23	ABR0525
6	31	100.0	11	23	ABR0526
7	31	100.0	11	23	ABR0527
8	31	100.0	11	23	ABR0528
9	31	100.0	11	23	ABR0529
10	31	100.0	11	23	ABR0530
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus
					Hepatitis C virus

11	31	100.0	11	23	ABR0531	Hepatitis C virus
12	31	100.0	11	23	ABR0532	Hepatitis C virus
13	31	100.0	11	23	ABR0533	Hepatitis C virus
14	31	100.0	11	23	ABR0534	Hepatitis C virus
15	31	100.0	11	23	ABR0535	Hepatitis C virus
16	31	100.0	11	23	ABR0536	Hepatitis C virus
17	31	100.0	11	23	ABR0537	Hepatitis C virus
18	31	100.0	11	23	ABR0538	Hepatitis C virus
19	31	100.0	11	23	ABR0539	Hepatitis C virus
20	31	100.0	11	23	ABR0540	Hepatitis C virus
21	31	100.0	11	23	ABR0541	Hepatitis C virus
22	31	100.0	11	23	ABR0542	Hepatitis C virus
23	31	100.0	11	23	ABR0543	Hepatitis C virus
24	31	100.0	11	23	ABR0544	Hepatitis C virus
25	31	100.0	11	23	ABR0545	Hepatitis C virus
26	31	100.0	11	23	ABR0546	Hepatitis C virus
27	31	100.0	11	23	ABR0547	Hepatitis C virus
28	31	100.0	11	23	ABR0548	Hepatitis C virus
29	31	100.0	11	23	ABR0549	Hepatitis C virus
30	31	100.0	11	23	ABR0550	Hepatitis C virus
31	31	100.0	11	23	ABR0551	Hepatitis C virus
32	31	100.0	11	23	ABR0552	Hepatitis C virus
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34	31	100.0	11	23	ABR0554	Hepatitis C virus
35	31	100.0	11	23	ABR0555	Hepatitis C virus
36	31	100.0	11	23	ABR0556	Hepatitis C virus
37	31	100.0	11	23	ABR0557	Hepatitis C virus
38	31	100.0	11	23	ABR0558	Hepatitis C virus
39	31	100.0	11	23	ABR0559	Hepatitis C virus
40	31	100.0	11	23	ABR0560	Hepatitis C virus
41	31	100.0	11	23	ABR0561	Hepatitis C virus
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45	31	100.0	11	23	ABR0565	Hepatitis C virus
46	31	100.0	11	23	ABR0566	Hepatitis C virus
47	31	100.0	11	23	ABR0567	Hepatitis C virus
48	31	100.0	11	23	ABR0568	Hepatitis C virus
49	31	100.0	25	23	ABG62372	Epithelial DNA po
50	31	100.0	51	20	AAV12634	Human 5' EST se
51	31	100.0	52	20	ABP08046	Human ORFX prote
52	31	100.0	61	22	AAW96516	Human reproducti
53	31	100.0	99	22	ABR43881	Peptide #11387 enc
54	31	100.0	99	22	ABR426804	Protein #8803 enc
55	31	100.0	99	22	AAW64869	Human brain expre
56	31	100.0	99	22	AAW77607	Human bone marrow
57	31	100.0	99	22	AAW21534	Peptide #7968 enco
58	31	100.0	99	22	AAW37801	Peptide #11838 enc
59	31	100.0	99	23	ABG46642	Human peptide enco
60	31	100.0	113	22	AAU46759	Protonibacterium
61	31	100.0	115	23	ABP38069	Staphylococcus epi
62	31	100.0	117	21	AAW40460	Human ORFX ORF224
63	31	100.0	120	19	AAW69418	Protein encoded by
64	31	100.0	121	19	AAW75228	Human secreted pro
65	31	100.0	121	19	AAW75212	Human secreted pro
66	31	100.0	121	20	AAW97213	A human zneurokl p
67	31	100.0	121	20	AAW74413	HPMB091 protein se
68	31	100.0	121	22	AAW82380	Human neurokinin B
69	31	100.0	122	20	AAW96144	Human preprotachyk
70	31	100.0	135	21	AAW33445	Human PRO1155 prot
71	31	100.0	135	21	AAW66739	Membrane-bound pro
72	31	100.0	135	22	AAU29245	Human PRO polypept
73	31	100.0	135	22	AAW65262	Human PRO1155 (UNQ
74	31	100.0	135	23	ABR95507	Human angiogenesis
75	31	100.0	135	23	ABR84901	Human PRO1155 prot
76	31	100.0	135	23	AAU83645	Human PRO protein, B
77	31	100.0	137	23	ABR11878	Human neurokinin B
78	31	100.0	137	23	ABP02413	Human OREX protein
79	31	100.0	178	22	ABR27744	Human peptide #395
80	31	100.0	178	22	ABR27746	Human peptide #397
81	31	100.0	178	22	ABR32917	Peptide #421 encod
82	31	100.0	178	22	ABR32917	Peptide #421 encod
83	31	100.0	178	22	ABR18396	Protein #395 encod

84	31	100.0	178	22	AAM53718	Human brain expres	157	31	100.0	2012	22	ABG02199	Novel human diagno
85	31	100.0	178	22	AAM66101	Human bone marrow	158	31	100.0	2594	16	AAW14748	IgG-Fc binding pro
86	31	100.0	178	22	AAM13970	Peptide #404 encod	159	31	100.0	2639	20	AAW73476	Grapevine leafroll
87	31	100.0	178	22	AAM13972	Peptide #406 encod	160	31	100.0	2957	22	ABG22214	Novel human diagno
88	31	100.0	178	22	AAM26376	Peptide #413 encod	161	31	100.0	3263	22	ABG67210	Drosophila melanog
89	31	100.0	178	22	AAM26378	Peptide #415 encod	162	31	100.0	5405	16	AAW14749	IgG-Fc binding pro
90	31	100.0	178	22	ABG33749	Human peptide enco	163	31	100.0	6815	22	ABG66811	Drosophila melanog
91	31	100.0	178	22	ABG33751	Human peptide enco	164	31	100.0	7337	22	ABG22216	Novel human diagno
92	31	100.0	181	22	ABG29466	Novel human diagno							
93	31	100.0	201	21	AAG50789	Arabidopsis thalia							
94	31	100.0	205	7	AAP60582	P. falciparum pept							
95	31	100.0	206	21	AG50788	Arabidopsis thalia							
96	31	100.0	212	21	AG30656	Arabidopsis thalia							
97	31	100.0	221	22	AAG39800	Propionibacterium							
98	31	100.0	228	22	AAU87110	Novel central nerv							
99	31	100.0	228	22	AAU23151	Novel human enzyme							
100	31	100.0	273	21	AAG34992	Arabidopsis thalia							
101	31	100.0	281	23	AAO18224	Human Bcl-Rambo BH							
102	31	100.0	284	21	AG50787	Arabidopsis thalia							
103	31	100.0	288	21	AG34991	Arabidopsis thalia							
104	31	100.0	292	21	AAG16068	Arabidopsis thalia							
105	31	100.0	309	21	AAG16067	Arabidopsis thalia							
106	31	100.0	320	21	AAG30655	Arabidopsis thalia							
107	31	100.0	337	21	AAG16066	Arabidopsis thalia							
108	31	100.0	348	21	AAG30654	Arabidopsis thalia							
109	31	100.0	384	21	AG34990	Arabidopsis thalia							
110	31	100.0	409	22	ABG2674	Arabidopsis thalia							
111	31	100.0	419	22	ABG96505	Drosophila melanog							
112	31	100.0	449	22	ABG66828	Putative P. abyssi							
113	31	100.0	454	23	AAE23035	Drosophila melanog							
114	31	100.0	454	23	ABG7441	Human thioredoxin,							
115	31	100.0	481	23	AAO18220	Novel human protei							
116	31	100.0	485	22	AAM39971	Human Bcl-Rambo BH							
117	31	100.0	485	23	AAO18225	Human polypeptide							
118	31	100.0	492	22	ABG4792	Human Bcl-Rambo.							
119	31	100.0	506	22	ABG12505	Human protein sequ							
120	31	100.0	508	22	ABG18772	Novel human diagno							
121	31	100.0	527	22	AAU64492	Novel human diagno							
122	31	100.0	564	22	ABG26669	Propionibacterium							
123	31	100.0	600	22	ABG63003	Novel human diagno							
124	31	100.0	604	23	AAE18106	Drosophila melanog							
125	31	100.0	608	22	AG08671	Human nucleoside p							
126	31	100.0	622	14	AAE38888	Novel human diagno							
127	31	100.0	655	22	ABG16122	Sequence encoded b							
128	31	100.0	729	14	AAE1753	Drosophila melanog							
129	31	100.0	730	14	AAE1753	Catalase-R. Asper							
130	31	100.0	739	22	AAE1543	Aspergillus niger							
131	31	100.0	748	22	AAE1543	Human polypeptide,							
132	31	100.0	755	22	AAE1543	Human polypeptide							
133	31	100.0	765	22	ABG04875	Novel human diagno							
134	31	100.0	766	22	ABG70099	Drosophila melanog							
135	31	100.0	766	23	ABP41543	Human cancer assoc							
136	31	100.0	794	22	ABG68419	Human ovarian anti							
137	31	100.0	840	22	ABJ2427	Drosophila melanog							
138	31	100.0	882	22	ABG06046	Human bone marrow							
139	31	100.0	887	22	ABG23361	Novel human diagno							
140	31	100.0	905	22	ABG57827	Novel human diagno							
141	31	100.0	932	22	ABG65256	Drosophila melanog							
142	31	100.0	941	22	ABG63925	Drosophila melanog							
143	31	100.0	1004	21	ABG38945	Drosophila melanog							
144	31	100.0	1070	22	AAU14378	Arabidopsis thalia							
145	31	100.0	1083	21	AG338944	Human novel protei							
146	31	100.0	1111	22	ABG23360	Arabidopsis thalia							
147	31	100.0	1194	22	AAU14142	Novel human diagno							
148	31	100.0	1207	21	AAG38943	Human novel protei							
149	31	100.0	1224	20	AAV36851	Arabidopsis thalia							
150	31	100.0	1276	22	ABG59729	Protein involved i							
151	31	100.0	1528	19	AAW57487	Drosophila melanog							
152	31	100.0	1528	20	AAW99895	Murine multidrug r							
153	31	100.0	1528	20	AAW74472	Mouse multidrug re							
154	31	100.0	1528	21	AAV78874	Murine multidrug r							
155	31	100.0	1528	21	AAV55800	Murine multidrug r							
156	31	100.0	1528	21	AAV55800	Murine multidrug r							

## ALIGNMENTS

## RESULT 1

ABB80521  
 ID ABB80521 standard; peptide; 11 AA.  
 XX ABB80521;  
 XX 08-OCT-2002 (first entry)  
 DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #1.  
 XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX Synthetic.  
 OS  
 FH Key  
 FH Modified-site 1 Location/Qualifiers  
 FT Modified-site 6 /note= "N-terminal acetyl"  
 FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT Modified-site 11 residue 7"  
 FT Modified-site 11 /note= "C-terminal amide"  
 FT  
 WO200208251-A2.  
 31-JAN-2002.  
 19-JUL-2001; 2001WO-US23169.  
 21-JUL-2000; 2000US-220101P.  
 (CORV-) CORVAS INT INC.  
 Lim-wilby M, Levy OE, Brunck TK;  
 WPI; 2002-361643/39.  
 Novel peptide compound having hepatitis C virus protease inhibitory  
 activity useful for treating disorders associated with hepatitis C  
 virus protease  
 Claim 17; Page 64; 69pp; English.

Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

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Db 1 EEVVPXGMSYS 11

RESULT 2

ABB80522

ID ABB80522 standard; peptide; 11 AA.

XX AC ABB80522;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #2.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX OS virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"

FT Misc-difference 9

FT Modified-site 11 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX PN 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX DR WPI; 2002-361643/39.

XX CC Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease

XX PS Claim 17; Page 64; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

DB 1 EEVVPXGMSYS 11

RESULT 3

ABB80523

ID ABB80523 standard; peptide; 11 AA.

XX AC ABB80523;

XX 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #3.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX OS virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"

FT Misc-difference 9

FT Modified-site 11 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX PN 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX DR WPI; 2002-361643/39.

XX CC Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease

XX PS Claim 17; Page 64; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

DB 1 EEVVPXGMSYS 11

RESULT 4

ABB80524

ID ABB80524 standard; peptide; 11 AA.

XX AC ABB80524;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #4.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX OS virucide.

OS Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT Modified-site 6 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
FT activity useful for treating disorders associated with hepatitis C  
FT virus protease  
XX Claim 17; Page 64; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:|:|:  
DB 1 EEVVPXGMDYS 11  
RESULT 5  
ABB80525  
ID ABB80525 standard; peptide; 11 AA.  
AC ABB80525;  
XX 08-OCT-2002 (first entry)  
DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #5.  
DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
OS Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT FT

FT Misc-difference 8  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
FT activity useful for treating disorders associated with hepatitis C  
FT virus protease  
XX Claim 17; Page 64; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:|:|:  
DB 1 EEVVPXGMSYS 11  
RESULT 6  
ABB80526  
ID ABB80526 standard; peptide; 11 AA.  
XX ABB80526;  
AC ABB80526;  
XX 08-OCT-2002 (first entry)  
DT Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #6.  
DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
OS Key Location/Qualifiers  
FH Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 8 /note= "D-form residue"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX WO200208251-A2.  
PN

XX PD 31-JAN-2002.  
XX  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX PR 21-JUL-2000; 2000US-220101P.  
XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX PS WPI; 2002-361643/39.  
XX  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease  
XX  
XX PS Claim 17; Page 64; 69pp; English.  
XX  
XX CC The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.  
XX  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:  
Db 1 EEVVPXGMSYS 11  
RESULT 7  
ABB80527  
ID ABB80527 standard; peptide; 11 AA.  
XX  
XX AC ABB80527;  
XX  
XX DT 08-OCT-2002 (first entry)  
XX  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #7.  
XX  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide; virucide.  
XX  
XX OS Synthetic.  
XX  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"  
FT  
FT Misc-difference 8 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
XX PN WO200208251-A2.  
XX  
XX PD 31-JAN-2002.  
XX  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX  
XX PR 21-JUL-2000; 2000US-220101P.  
XX  
XX PA (CORV-) CORVAS INT INC.

XX  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
XX DR WPI; 2002-361643/39.  
XX  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease  
XX  
XX PS Claim 17; Page 64; 69pp; English.  
XX  
XX CC The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.  
XX  
XX SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:  
Db 1 EEVVPXGMHYS 11  
RESULT 8  
ABB80528  
ID ABB80528 standard; peptide; 11 AA.  
XX  
XX AC ABB80528;  
XX  
XX DT 08-OCT-2002 (first entry)  
XX  
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #8.  
XX  
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide; virucide.  
XX  
XX OS Synthetic.  
XX  
XX FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with residue 7"  
FT  
FT Misc-difference 8 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
XX PN WO200208251-A2.  
XX  
XX PD 31-JAN-2002.  
XX  
XX PF 19-JUL-2001; 2001WO-US23169.  
XX  
XX PR 21-JUL-2000; 2000US-220101P.  
XX  
XX PA (CORV-) CORVAS INT INC.  
XX  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
XX DR WPI; 2002-361643/39.  
XX  
XX PT Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease  
XX

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

CC invention are alpha-ketoamide peptide analogues. The peptides have

CC virucide activity, and are useful for treating and in the manufacture of

CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 1 EEVVPXGMDYS 11

RESULT 9

ABB80529

ID ABB80529 standard; peptide; 11 AA.

XX AC ABB80529;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #9.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX KW virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT Misc-difference 8 residue 7"

FT FT Misc-difference 9 /note= "D-form residue"

FT FT Misc-difference 9 /note= "D-form residue"

FT FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory

PT activity useful for treating disorders associated with hepatitis C

PT virus protease

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

CC invention are alpha-ketoamide peptide analogues. The peptides have

CC virucide activity, and are useful for treating and in the manufacture of

CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 1 EEVVPXGMDYS 11

RESULT 10

ABB80530

ID ABB80530 standard; peptide; 11 AA.

XX AC ABB80530;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #10.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

XX KW virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX 31-JAN-2002.

XX 19-JUL-2001; 2001WO-US23169.

XX 21-JUL-2000; 2000US-220101P.

XX (CORV-) CORVAS INT INC.

XX Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory

PT activity useful for treating disorders associated with hepatitis C

PT virus protease

XX Claim 17; Page 64; 69pp; English.

XX The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the

CC invention are alpha-ketoamide peptide analogues. The peptides have

CC virucide activity, and are useful for treating and in the manufacture of

CC a medicament to treat disorders associated with HCV protease. A

CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;



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XX OS Synthetic.
XX FH Key Location/Qualifiers
XX FT Modified-site 1
XX FT Modified-site 6 /note= "N-terminal acetyl"
XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX FT Modified-site 11 residue 7"
XX FT Modified-site 11 /note= "C-terminal amide"
XX FT WO200208251-A2.
XX PN
XX PD 31-JAN-2002.
XX XX
XX PF 19-JUL-2001; 2001WO-US23169.
XX FT
XX FT 21-JUL-2000; 2000US-220101P.
XX FT (CORV-) CORVAS INT INC.
XX PN Lim-wilby M, Levy OE, Brunck TK;
XX PD WPI; 2002-361643/39.
XX XX
XX PF Novel peptide compound having hepatitis C virus protease inhibitory
XX FT activity useful for treating disorders associated with hepatitis C
XX FT virus protease
XX FT Claim 17; Page 64; 69pp; English.
XX PS
XX CC The sequence represents a peptide compound of the invention having
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX CC invention are alpha-ketoamide peptide analogues. The peptides have
XX CC virucide activity, and are useful for treating and in the manufacture of
XX CC a medicament to treat disorders associated with HCV protease. A
XX CC pharmaceutical composition comprising the peptide as an active ingredient
XX CC is useful for treating disorders associated with hepatitis C virus.
XX XX
XX SQ Sequence 11 AA;
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||||:
XX DB 1 EEVVPXGGDYS 11
XX
XX RESULT 14
XX ABB80534
XX ID ABB80534 standard; peptide; 11 AA.
XX AC ABB80534;
XX XX
XX DT 08-OCT-2002 (first entry)
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #14.
XX XX
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX OS Synthetic.
XX FH Key Location/Qualifiers
XX FT Modified-site 1 /note= "N-terminal acetyl"
XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX FT Misc-difference 9 residue 7"
XX
XX Query Match 100.0%; Score 31; DB 23; Length 11;
XX Best Local Similarity 54.5%; Pred. No. 54;
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 1 EEVVPXXXXXX 11
XX |||||||:
XX DB 1 EEVVPXGGDYS 11
XX
XX RESULT 15
XX ABB80535
XX ID ABB80535 standard; peptide; 11 AA.
XX AC ABB80535;
XX XX
XX DT 08-OCT-2002 (first entry)
XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #15.
XX XX
XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX virucide.
XX OS Synthetic.
XX FH Key Location/Qualifiers
XX FT Modified-site 1 /note= "N-terminal acetyl"
XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
XX FT Modified-site 11 residue 7"
XX FT Modified-site 11 /note= "C-terminal amide"
XX FT WO200208251-A2.
XX PN
XX PD 31-JAN-2002.
XX PF 19-JUL-2001; 2001WO-US23169.
XX XX

```





CC Invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGQHS 11

RESULT 18  
ABB80538  
ID ABB80538 standard; peptide; 11 AA.  
XX  
AC ABB80538;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #18.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Misc-difference 9 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT Residue 7"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
PN WO200208251-A2.  
XX  
PD 31-JAN-2002.  
XX  
PF 19-JUL-2001; 2001WO-US23169.  
XX  
PR 21-JUL-2000; 2000US-220101P.  
XX  
PA (CORV-) CORVAS INT INC.  
XX  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
WPI; 2002-361643/39.  
XX  
PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 64; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGQDYS 11

RESULT 19  
ABB80539  
ID ABB80539 standard; peptide; 11 AA.  
XX  
AC ABB80539;  
XX  
DT 08-OCT-2002 (first entry)  
XX  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #19.  
XX  
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX  
OS Synthetic.  
XX  
FH Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Misc-difference 8 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT Residue 7"  
FT Modified-site 11 /note= "D-form residue"  
FT Modified-site 11 /note= "C-terminal amide"  
XX  
PN WO200208251-A2.  
XX  
PD 31-JAN-2002.  
XX  
PF 19-JUL-2001; 2001WO-US23169.  
XX  
PR 21-JUL-2000; 2000US-220101P.  
XX  
PA (CORV-) CORVAS INT INC.  
XX  
PI Lim-wilby M, Levy OE, Brunck TK;  
XX  
WPI; 2002-361643/39.  
XX  
PT Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX  
PS Claim 17; Page 65; 69pp; English.  
XX  
CC The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 1 EEVVPXGQSYS 11

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RESULT 20
ABB80540
ID ABB80540 standard; peptide; 11 AA.
XX
AC ABB80540;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #20.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT residue 7"
FT Misc-difference 8 /note= "D-form residue"
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
| | | | | | | | | |
DB 1 EEVVPXGQSYS 11
| | | | | | | | | |
RESULT 21
ABB80541
ID ABB80541 standard; peptide; 11 AA.
XX
AC ABB80541;

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```

XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #21.
XX
AC ABB80540;
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT residue 7"
FT Misc-difference 8 /note= "D-form residue"
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
| | | | | | | | | |
DB 1 EEVVPXGQSYS 11
| | | | | | | | | |
RESULT 22
ABB80542
ID ABB80542 standard; peptide; 11 AA.
XX
AC ABB80542;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #22.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT residue 7"
FT Misc-difference 8 /note= "D-form residue"
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
| | | | | | | | | |
DB 1 EEVVPXGQSYS 11
| | | | | | | | | |
RESULT 23
ABB80543
ID ABB80543 standard; peptide; 11 AA.
XX
AC ABB80543;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #23.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT residue 7"
FT Misc-difference 8 /note= "D-form residue"
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
XX
XX 31-JAN-2002.
XX
XX 19-JUL-2001; 2001WO-US23169.
XX
XX 21-JUL-2000; 2000US-220101P.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Lim-wilby M, Levy OE, Brunck TK;
XX
XX WPI; 2002-361643/39.
XX
XX Novel peptide compound having hepatitis C virus protease inhibitory
XX activity useful for treating disorders associated with hepatitis C
XX virus protease
XX
XX Claim 17; Page 65; 69pp; English.
XX
XX The sequence represents a peptide compound of the invention having
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
XX invention are alpha-ketoamide peptide analogues. The peptides have
XX virucide activity, and are useful for treating and in the manufacture of
XX a medicament to treat disorders associated with HCV protease. A
XX pharmaceutical composition comprising the peptide as an active ingredient
XX is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
| | | | | | | | | |
DB 1 EEVVPXGQSYS 11
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OS Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 8  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
PN WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PA Lim-wilby M, Levy OE, Brunck TK;  
PI WPI; 2002-361643/39.  
DR Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
PS Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXXX 11  
Db |||||:::  
1 EEVVPXGQDYS 11  
RESULT 23  
ABB80543  
ID ABB80543 standard; peptide; 11 AA.  
AC ABB80543;  
XX 08-OCT-2002 (first entry)  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #23.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
PN WO200208251-A2.  
XX 31-JAN-2002.

FT Misc-difference 8  
FT /note= "D-form residue"  
FT Misc-difference 9  
FT /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
PN WO200208251-A2.  
XX 31-JAN-2002.  
PD 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
PA Lim-wilby M, Levy OE, Brunck TK;  
PI WPI; 2002-361643/39.  
DR Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
PS Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
SQ Sequence 11 AA;  
Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXXX 11  
Db |||||:::  
1 EEVVPXGQDYS 11  
RESULT 24  
ABB80544  
ID ABB80544 standard; peptide; 11 AA.  
AC ABB80544;  
XX 08-OCT-2002 (first entry)  
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #24.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
KW virucide.  
XX Synthetic.  
FH Key Location/Qualifiers  
FT Modified-site 1  
FT /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
PN WO200208251-A2.  
XX 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.  
 XX PR 21-JUL-2000; 2000US-220101P.  
 XX FA (CORV-) CORVAS INT INC.  
 XX PI Lim-wilby M, Levy OE, Brunck TK;  
 XX DR WPI; 2002-361643/39.  
 XX CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 CC  
 CC Query Match 100.0%; Score 31; DB 23; Length 11;  
 CC Best Local Similarity 54.5%; Pred. No. 54;  
 CC Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGTSYS 11  
 XX  
 XX RESULT 25  
 XX ABB80545  
 XX ID ABB80545 standard; peptide; 11 AA.  
 XX AC ABB80545;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #25.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 XX virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 XX FT Modified-site 1 /note= "N-terminal acetyl"  
 XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 XX FT Misc-difference 9 residue 7"  
 XX FT Modified-site 11 /note= "D-form residue"  
 XX FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX PN 31-JAN-2002.  
 XX PD 19-JUL-2001; 2001WO-US23169.  
 XX PF 21-JUL-2000; 2000US-220101P.  
 XX PR (CORV-) CORVAS INT INC.  
 XX PA Lim-wilby M, Levy OE, Brunck TK;  
 XX PI WPI; 2002-361643/39.  
 XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
 XX activity useful for treating disorders associated with hepatitis C  
 XX virus protease  
 XX Claim 17; Page 65; 69pp; English.  
 XX The sequence represents a peptide compound of the invention having  
 XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 XX invention are alpha-ketoamide peptide analogues. The peptides have  
 XX virucide activity, and are useful for treating and in the manufacture of  
 XX a medicament to treat disorders associated with HCV protease. A  
 XX pharmaceutical composition comprising the peptide as an active ingredient  
 XX is useful for treating disorders associated with hepatitis C virus.

XX WPI; 2002-361643/39.  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 XX activity useful for treating disorders associated with hepatitis C  
 XX virus protease  
 XX Claim 17; Page 65; 69pp; English.  
 XX The sequence represents a peptide compound of the invention having  
 XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 XX invention are alpha-ketoamide peptide analogues. The peptides have  
 XX virucide activity, and are useful for treating and in the manufacture of  
 XX a medicament to treat disorders associated with HCV protease. A  
 XX pharmaceutical composition comprising the peptide as an active ingredient  
 XX is useful for treating disorders associated with hepatitis C virus.  
 XX SQ Sequence 11 AA;  
 CC  
 CC Query Match 100.0%; Score 31; DB 23; Length 11;  
 CC Best Local Similarity 54.5%; Pred. No. 54;  
 CC Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGTSYS 11  
 XX  
 XX RESULT 26  
 XX ABB80546  
 XX ID ABB80546 standard; peptide; 11 AA.  
 XX AC ABB80546;  
 XX DT 08-OCT-2002 (first entry)  
 XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #26.  
 XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 XX virucide.  
 XX OS Synthetic.  
 XX FH Key Location/Qualifiers  
 XX FT Modified-site 1 /note= "N-terminal acetyl"  
 XX FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
 XX FT Modified-site 11 residue 7"  
 XX FT Modified-site 11 /note= "C-terminal amide"  
 XX WO200208251-A2.  
 XX PN 31-JAN-2002.  
 XX PD 19-JUL-2001; 2001WO-US23169.  
 XX PF 21-JUL-2000; 2000US-220101P.  
 XX PR (CORV-) CORVAS INT INC.  
 XX PA Lim-wilby M, Levy OE, Brunck TK;  
 XX PI WPI; 2002-361643/39.  
 XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
 XX activity useful for treating disorders associated with hepatitis C  
 XX virus protease  
 XX Claim 17; Page 65; 69pp; English.  
 XX The sequence represents a peptide compound of the invention having

CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGTHYS 11

RESULT 27  
ABB80547  
ID ABB80547 standard; peptide; 11 AA.  
XX AC ABB80547;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #27.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX

Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Modified-site 11 /note= "Norvalyl carbonyl forming keto-amide linkage with  
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FT /note= "C-terminal amide"  
XX WO200208251-A2.  
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XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGTHYS 11

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGTHYS 11

RESULT 28  
ABB80548  
ID ABB80548 standard; peptide; 11 AA.  
XX AC ABB80548;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #28.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX

Key Location/Qualifiers  
FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT Modified-site 11 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9 /note= "D-form residue"  
FT Modified-site 11  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGTHYS 11

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RESULT 29
ABB80549
ID ABB80549 standard; peptide; 11 AA.
XX
AC ABB80549;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #29.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
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OS Synthetic.
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FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6
FT Misc-difference 9 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
XX
PD 31-JAN-2002.
XX
PF 19-JUL-2001; 2001WO-US23169.
XX
PR 21-JUL-2000; 2000US-220101P.
XX
PA (CORV-) CORVAS INT INC.
XX
PI Lim-wilby M, Levy OE, Brunck TK;
XX
DR WPI; 2002-361643/39.
XX
PT Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX
PS Claim 17; Page 65; 69pp; English.
XX
CC The sequence represents a peptide compound of the invention having
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 1 EEVVPXGSSYS 11
RESULT 30
ABB80550
ID ABB80550 standard; peptide; 11 AA.
XX
AC ABB80550;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #31.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Modified-site 1 /note= "N-terminal acetyl"
FT Modified-site 6
FT Misc-difference 9 /note= "Norvalyl carbonyl forming keto-amide linkage with
FT Modified-site 11 /note= "D-form residue"
FT Modified-site 11 /note= "C-terminal amide"
XX
PN WO200208251-A2.
XX
PD 31-JAN-2002.
XX
PF 19-JUL-2001; 2001WO-US23169.
XX
PR 21-JUL-2000; 2000US-220101P.
XX
PA (CORV-) CORVAS INT INC.
XX
PI Lim-wilby M, Levy OE, Brunck TK;
XX
DR WPI; 2002-361643/39.
XX
PT Novel peptide compound having hepatitis C virus protease inhibitory
PT activity useful for treating disorders associated with hepatitis C
PT virus protease
XX
PS Claim 17; Page 65; 69pp; English.
XX
CC The sequence represents a peptide compound of the invention having
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the
CC invention are alpha-ketoamide peptide analogues. The peptides have
CC virucide activity, and are useful for treating and in the manufacture of
CC a medicament to treat disorders associated with HCV protease. A
CC pharmaceutical composition comprising the peptide as an active ingredient
CC is useful for treating disorders associated with hepatitis C virus.
XX
SQ Sequence 11 AA;
Query Match 100.0%; Score 31; DB 23; Length 11;
Best Local Similarity 54.5%; Pred. No. 54;
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 1 EEVVPXGSSYS 11
RESULT 31
ABB80551
ID ABB80551 standard; peptide; 11 AA.
XX
AC ABB80551;
XX
DT 08-OCT-2002 (first entry)
XX
DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #31.
XX
KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
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FT Modified-site 1 /note= "N-terminal acetyl"  
FT Modified-site 6  
FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"  
FT Misc-difference 9  
FT Modified-site 11 /note= "D-form residue"  
FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
XX Sequence 11 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGSDYS 11  
RESULT 32  
ABB80552  
ID ABB80552 standard; peptide; 11 AA.  
XX  
XX ABB80552;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #32.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX residue 7"  
XX Misc-difference 8 /note= "D-form residue"  
XX Modified-site 11 /note= "D-form residue"  
XX  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX

FT /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
XX activity useful for treating disorders associated with hepatitis C  
XX virus protease  
XX  
XX Claim 17; Page 65; 69pp; English.  
XX  
XX The sequence represents a peptide compound of the invention having  
XX hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX invention are alpha-ketoamide peptide analogues. The peptides have  
XX virucide activity, and are useful for treating and in the manufacture of  
XX a medicament to treat disorders associated with HCV protease. A  
XX pharmaceutical composition comprising the peptide as an active ingredient  
XX is useful for treating disorders associated with hepatitis C virus.  
XX  
XX Sequence 11 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
DB 1 EEVVPXGSSYS 11  
RESULT 33  
ABB80553  
ID ABB80553 standard; peptide; 11 AA.  
XX  
XX ABB80553;  
XX  
XX 08-OCT-2002 (first entry)  
XX  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #33.  
XX  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
XX residue 7"  
XX Misc-difference 8 /note= "D-form residue"  
XX Modified-site 9 /note= "D-form residue"  
XX Modified-site 11 /note= "D-form residue"  
XX  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX





PS Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGSHYS 11

RESULT 36

ABB80556  
ID ABB80556 standard; peptide; 11 AA.

XX AC ABB80556;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #36.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX PD 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient

CC is useful for treating disorders associated with hepatitis C virus.  
XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 1 EEVVPXGSDYS 11

RESULT 37

ABB80557  
ID ABB80557 standard; peptide; 11 AA.

XX AC ABB80557;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #37.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Modified-site 1 /note= "N-terminal acetyl"

FT Modified-site 6 /note= "Norvalyl carbonyl forming keto-amide linkage with  
FT residue 7"

FT Misc-difference 8 /note= "D-form residue"

FT Misc-difference 9 /note= "D-form residue"

FT Modified-site 11 /note= "C-terminal amide"

XX WO200208251-A2.

XX PD 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX WPI; 2002-361643/39.

XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX Claim 17; Page 65; 69pp; English.

XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 DB 1 EEVVPXGSDYS 11

## RESULT 38

ABB80558  
 ID ABB80558 standard; peptide; 11 AA.

XX AC ABB80558;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #38.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 virucide.

XX OS Synthetic.

XX PH Key Location/Qualifiers

FT Modified-site 1

FT /note= "N-terminal acetyl"

FT Modified-site 6

FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 residue 7"

FT Modified-site 8

FT /note= "Oxymethionine"

FT Modified-site 11

FT /note= "C-terminal amide"

FT FT

XX WO200208251-A2.

XX PN 31-JAN-2002.

XX PD 19-JUL-2001; 2001WO-US23169.

XX PF 21-JUL-2000; 2000US-220101P.

XX PR (CORV-) CORVAS INT INC.

XX PA Lim-wilby M, Levy OE, Brunck TK;

XX PI WPI; 2002-361643/39.

XX DR Novel peptide compound having hepatitis C virus protease inhibitory  
 activity useful for treating disorders associated with hepatitis C  
 virus protease

XX PS Claim 17; Page 65; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having  
 hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 invention are alpha-ketoamide peptide analogues. The peptides have  
 virucide activity, and are useful for treating and in the manufacture of  
 a medicament to treat disorders associated with HCV protease. A  
 pharmaceutical composition comprising the peptide as an active ingredient  
 is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11

|||||:|:|:|:

DB 1 EEVVPXGMHYS 11

## RESULT 39

ABB80559

ID ABB80559 standard; peptide; 11 AA.

XX AC ABB80559;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #39.

XX KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 virucide.

XX OS Synthetic.

XX PH Key Location/Qualifiers

FT Modified-site 1

FT /note= "N-terminal acetyl"

FT Modified-site 6

FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 residue 7"

FT Misc-difference 8

FT /note= "D-form residue"

FT Modified-site 8

FT /note= "Oxymethionine"

FT Modified-site 11

FT /note= "C-terminal amide"

XX WO200208251-A2.

XX PN 31-JAN-2002.

XX PD 19-JUL-2001; 2001WO-US23169.

XX PF 21-JUL-2000; 2000US-220101P.

XX PR (CORV-) CORVAS INT INC.

XX PA Lim-wilby M, Levy OE, Brunck TK;

XX PI WPI; 2002-361643/39.

XX DR Novel peptide compound having hepatitis C virus protease inhibitory  
 activity useful for treating disorders associated with hepatitis C  
 virus protease

XX PS Claim 17; Page 65; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having  
 hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 invention are alpha-ketoamide peptide analogues. The peptides have  
 virucide activity, and are useful for treating and in the manufacture of  
 a medicament to treat disorders associated with HCV protease. A  
 pharmaceutical composition comprising the peptide as an active ingredient  
 is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;

Best Local Similarity 54.5%; Pred. No. 54;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXXX 11

|||||:|:|:|:

DB 1 EEVVPXGMSYS 11

## RESULT 40

ABB80560  
 ID ABB80560 standard; peptide; 11 AA.

XX AC ABB80560;

XX DT 08-OCT-2002 (first entry)

XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #40.  
 DE  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 XX virucide.  
 OS  
 XX Synthetic.  
 FH Key  
 FT Location/Qualifiers  
 FT Modified-site 1  
 FT Modified-site 6  
 FT /note= "N-terminal acetyl"  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8  
 FT /note= "D-form residue"  
 FT Modified-site 8  
 FT /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "D-form residue"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"  
 XX WO200208251-A2.  
 PN  
 XX  
 XX 31-JAN-2002.  
 XX  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX  
 XX 21-JUL-2000; 2000US-220101P.  
 PR  
 XX (CORV-) CORVAS INT INC.  
 PA  
 XX Lim-wilby M, Levy OE, Brunck TK;  
 XX WPI; 2002-361643/39.  
 DR  
 XX  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease.  
 PT  
 XX  
 XX Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGMHVS 11  
 RESULT 41  
 ABB80561  
 ID ABB80561 standard; peptide; 11 AA.  
 XX  
 AC ABB80561;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #41.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;

virucide.  
 KW  
 XX Synthetic.  
 OS  
 XX  
 FH Key  
 FT Location/Qualifiers  
 FT Modified-site 1  
 FT Modified-site 6  
 FT /note= "N-terminal acetyl"  
 FT /note= "Norvalyl carbonyl forming keto-amide linkage with  
 FT residue 7"  
 FT Misc-difference 8  
 FT /note= "D-form residue"  
 FT Modified-site 8  
 FT /note= "Oxymethionine"  
 FT Modified-site 11  
 FT /note= "C-terminal amide"  
 XX WO200208251-A2.  
 PN  
 XX  
 XX 31-JAN-2002.  
 XX  
 XX 19-JUL-2001; 2001WO-US23169.  
 XX  
 XX 21-JUL-2000; 2000US-220101P.  
 PR  
 XX (CORV-) CORVAS INT INC.  
 PA  
 XX Lim-wilby M, Levy OE, Brunck TK;  
 XX WPI; 2002-361643/39.  
 DR  
 XX  
 XX Novel peptide compound having hepatitis C virus protease inhibitory  
 PT activity useful for treating disorders associated with hepatitis C  
 PT virus protease.  
 PT  
 XX  
 XX Claim 17; Page 65; 69pp; English.  
 XX  
 CC The sequence represents a peptide compound of the invention having  
 CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
 CC invention are alpha-ketoamide peptide analogues. The peptides have  
 CC virucide activity, and are useful for treating and in the manufacture of  
 CC a medicament to treat disorders associated with HCV protease. A  
 CC pharmaceutical composition comprising the peptide as an active ingredient  
 CC is useful for treating disorders associated with hepatitis C virus.  
 XX  
 SQ Sequence 11 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 11;  
 Best Local Similarity 54.5%; Pred. No. 54;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 1 EEVVPXGMHVS 11  
 RESULT 42  
 ABB80562  
 ID ABB80562 standard; peptide; 11 AA.  
 XX  
 AC ABB80562;  
 XX  
 DT 08-OCT-2002 (first entry)  
 XX  
 DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #42.  
 XX  
 KW Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
 KW virucide.  
 XX  
 OS Synthetic.  
 XX  
 FH Key  
 FT Location/Qualifiers  
 FT Modified-site 1

	Modified-site	11 /note= "C-terminal amide"	
XX	WO200208251-A2.		
XX	31-JAN-2002.		
XX	19-JUL-2001; 2001WO-US23169.		
XX	21-JUL-2000; 2000US-220101P.		
XX	(CORV-) CORVAS INT INC.		
XX	Lim-wilby M, Levy OE, Brunck TK;		
XX	WPI; 2002-361643/39.		
XX	Novel peptide compound having hepatitis C virus protease inhibitory activity useful for treating disorders associated with hepatitis C virus protease		
XX	Claim 17; Page 65; 69pp; English.		
CC	The sequence represents a peptide compound of the invention having hepatitis C virus (HCV) protease inhibitory activity. The peptides of the invention are alpha-ketoamide peptide analogues. The peptides have virucide activity, and are useful for treating and in the manufacture of a medicament to treat disorders associated with HCV protease. A pharmaceutical composition comprising the peptide as an active ingredient is useful for treating disorders associated with hepatitis C virus.		
SQ	Sequence	11 AA;	
	Query Match	100.0%; Score 31; DB 23; Length 11;	
	Best Local Similarity	54.5%; Pred. No. 54;	
	Matches	6; Conservative 5; Mismatches 0; Indels 0; Gaps 0	
QY	1 EEVVPXXXXX 11		
DB	1 EEVVPXGMSYS 11		
	:::		
	RESULT 44		
	ABB80564		
ID	ABB80564 standard; peptide; 11 aa.		
XX	AC ABB80564;		
XX	08-OCT-2002 (first entry)		
XX	Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #44.		
DE	Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide; virucide.		
XX	Synthetic.		
OS			
XX	Key Location/Qualifiers		
FH	Modified-site 1	/note= "N-terminal acetyl"	
FT	Modified-site 6	/note= "Leucyl carbonyl forming keto-amide linkage with residue 7"	
FT	Modified-site 11	/note= "C-terminal amide"	
XX	WO200208251-A2.		
PN	31-JAN-2002.		
XX	19-JUL-2001; 2001WO-US23169.		
XX	21-JUL-2000; 2000US-220101P.		

XX PA (CORV-) CORVAS INT INC.  
XX PI Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX Sequence 11 AA;  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db |||||:::  
1 EEVVPXGMSYS 11  
RESULT 45  
ABB80565  
ID ABB80565 standard; peptide; 11 AA.  
XX AC ABB80565;  
XX 08-OCT-2002 (first entry)  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #45.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6  
XX Modified-site 11 /note= "Norleucyl carbonyl forming keto-amide linkage  
XX with residue 7"  
XX /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease

XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.  
XX Sequence 11 AA;  
XX Query Match 100.0%; Score 31; DB 23; Length 11;  
XX Best Local Similarity 54.5%; Pred. No. 54;  
XX Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db |||||:::  
1 EEVVPXGMSYS 11  
RESULT 46  
ABB80566  
ID ABB80566 standard; peptide; 11 AA.  
XX AC ABB80566;  
XX 08-OCT-2002 (first entry)  
XX Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #46.  
XX Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX virucide.  
XX Synthetic.  
XX Key Location/Qualifiers  
XX Modified-site 1 /note= "N-terminal acetyl"  
XX Modified-site 6  
XX Modified-site 11 /note= "2-aminoisobutyl carbonyl residue forming a  
XX keto-amide linkage with residue 7"  
XX /note= "C-terminal amide"  
XX WO200208251-A2.  
XX 31-JAN-2002.  
XX 19-JUL-2001; 2001WO-US23169.  
XX 21-JUL-2000; 2000US-220101P.  
XX (CORV-) CORVAS INT INC.  
XX Lim-wilby M, Levy OE, Brunck TK;  
XX WPI; 2002-361643/39.  
XX Novel peptide compound having hepatitis C virus protease inhibitory  
PT activity useful for treating disorders associated with hepatitis C  
PT virus protease  
XX Claim 17; Page 65; 69pp; English.  
XX The sequence represents a peptide compound of the invention having  
CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
CC invention are alpha-ketoamide peptide analogues. The peptides have  
CC virucide activity, and are useful for treating and in the manufacture of  
CC a medicament to treat disorders associated with HCV protease. A  
CC pharmaceutical composition comprising the peptide as an active ingredient  
CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGMSYS 11

## RESULT 47

ABB80567  
ID ABB80567 standard; peptide; 11 AA.

XX AC ABB80567;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #47.

XX DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

XX FT Modified-site 1

XX FT /note= "N-terminal acetyl"

XX FT Modified-site 6

XX FT /note= "(s,s)allothreonyl carbonyl residue forming a  
XX FT keto-amide linkage with residue 7"

XX FT Modified-site 11

XX FT /note= "C-terminal amide"

XX PN WO200208251-A2.

XX PD 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX PX WPI; 2002-361643/39.

XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
XX CC activity useful for treating disorders associated with hepatitis C  
XX CC virus protease

XX PS Claim 17; Page 65; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 1 EEVVPXGMSYS 11

## RESULT 48

ABB80568  
ID ABB80568 standard; peptide; 11 AA.

XX AC ABB80568;

XX DT 08-OCT-2002 (first entry)

XX DE Hepatitis C virus NS3/NS4a serine protease inhibitor peptide #48.

XX DE Hepatitis C virus; HCV; serine protease; inhibitor; alpha-ketoamide;  
XX KW virucide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

XX FT Modified-site 1

XX FT /note= "N-terminal acetyl"

XX FT Modified-site 6

XX FT /note= "Alpha-propynyl-glycyl-carbonyl residue forming  
XX FT a keto-amide linkage with residue 7"

XX FT Modified-site 11

XX FT /note= "C-terminal amide"

XX PN WO200208251-A2.

XX PD 31-JAN-2002.

XX PF 19-JUL-2001; 2001WO-US23169.

XX PR 21-JUL-2000; 2000US-220101P.

XX PA (CORV-) CORVAS INT INC.

XX PI Lim-wilby M, Levy OE, Brunck TK;

XX PX WPI; 2002-361643/39.

XX CC Novel peptide compound having hepatitis C virus protease inhibitory  
XX CC activity useful for treating disorders associated with hepatitis C  
XX CC virus protease

XX PS Claim 17; Page 65; 69pp; English.

XX CC The sequence represents a peptide compound of the invention having  
XX CC hepatitis C virus (HCV) protease inhibitory activity. The peptides of the  
XX CC invention are alpha-ketoamide peptide analogues. The peptides have  
XX CC virucide activity, and are useful for treating and in the manufacture of  
XX CC a medicament to treat disorders associated with HCV protease. A  
XX CC pharmaceutical composition comprising the peptide as an active ingredient  
XX CC is useful for treating disorders associated with hepatitis C virus.

XX SQ Sequence 11 AA;

Query Match 100.0%; Score 31; DB 23; Length 11;  
Best Local Similarity 54.5%; Pred. No. 54;  
Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
|||||:|:~:~:~:  
Db 1 EEVVPXGMSYS 11

## RESULT 49

ABG62372  
ID ABG62372 standard; Peptide; 25 AA.

XX AC ABG62372;

XX DT 21-AUG-2002 (first entry)

XX XX





ID XX AC ABP08046 standard; Protein; 52 AA.  
 XX XX ABP08046;  
 XX XX 25-JUN-2002 (first entry)  
 XX XX Human ORFX protein sequence SEQ ID NO:16074.  
 XX XX Human; open reading frame; ORFX; gene therapy; cancer; cirrhosis;  
 KW KW hyperproliferative disorder; psoriasis; benign tumour; haemorrhage;  
 KW KW degenerative disorder; osteoarthritis; neurodegenerative disorder;  
 KW KW cardiovascular disease; diabetes mellitus; systemic lupus erythematosus;  
 KW KW hypertension; hypothyroidism; cholesterol ester storage disease;  
 KW KW immune deficiency; immune disorder; infectious disease;  
 KW KW autoimmune disorder; rheumatoid arthritis; autoimmune thyroiditis;  
 KW KW myasthenia gravis.  
 XX OS Homo sapiens.  
 XX OS WO200192523-A2.  
 XX PN 06-DEC-2001.  
 XX PD 29-MAY-2001; 2001WO-US10836.  
 XX PF 30-MAY-2000; 2000US-206132P.  
 XX PR 29-AUG-2000; 2000US-228716P.  
 XX PA (CURA-) CURAGEN CORP.  
 XX PI Shimkets RA, Leach MD;  
 XX DR WPI; 2002-106308/14.  
 XX DR N-PSDB; ABN23798.  
 XX PT Novel human polypeptides and polynucleotides useful for diagnosing,  
 PT preventing and treating cardiovascular disease, neurodegenerative,  
 PT hyperproliferative disorders and autoimmune disorders  
 XX PS Disclosure; SEQ ID 16074; 1037pp; English.  
 XX CC The present invention describes substantially purified human proteins  
 CC (referred to as open reading frame, ORFX, where X is 1-11491 (see Table 1  
 CC in the specification). ABN15762 to ABN27252 encode the human ORFX  
 CC proteins given in ABP00010 to ABP11500. ORFX proteins are useful for  
 CC treating or preventing a pathology associated with an ORFX-associated  
 CC disorder in humans, and in the manufacture of a medicament for treating a  
 CC syndrome associated with ORFX-associated disorder. ORFX polynucleotide  
 CC sequences can be used in gene therapy. ORFX sequences can be used in the  
 CC treatment of cancer, hyperproliferative disorders, cirrhosis of liver,  
 CC psoriasis, benign tumours, keloid, degenerative disorders, haemorrhage,  
 CC osteoarthritis, neurodegenerative disorders, diabetes mellitus, systemic  
 CC transplantation, cardiovascular diseases, diabetes mellitus, systemic  
 CC lupus erythematosus, hypertension, hypothyroidism, cholesterol ester  
 CC storage disease, various immune deficiencies and disorders, infectious  
 CC diseases, autoimmune disorders such as multiple sclerosis, rheumatoid  
 CC arthritis, autoimmune thyroiditis, myasthenia gravis, graft-versus-host  
 CC disease and autoimmune inflammatory eye disease. ORFX proteins are also  
 CC useful for treating burns, incisions, ulcers, for treating osteoporosis,  
 CC bone degenerative disorders, or periodontal disease, and for gut  
 CC protection or regeneration and treatment of lung or liver fibrosis,  
 CC reperfusion injury in various tissues and conditions resulting from  
 CC systemic cytokine damage.  
 CC N.B. The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIDO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX XX Sequence 52 AA;  
 XX XX Query Match 100.0%; Score 31; DB 23; Length 52;  
 XX XX Best Local Similarity 45.5%; Pred. No. 3.1e+02;  
 XX XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 17 EEVVPGDVRS 27  
 RESULT 52  
 AAM96516  
 ID AAM96516 standard; Protein; 61 AA.  
 XX AC AAM96516;  
 XX AC AAM96516;  
 XX DT 21-NOV-2001 (first entry)  
 XX DE Human reproductive system related antigen SEQ ID NO: 5174.  
 XX DE Human reproductive system related antigen; reproductive system disorder;  
 KW KW Human; cancer; gene therapy.  
 XX OS Homo sapiens.  
 XX OS WO200155320-A2.  
 XX PN 02-AUG-2001.  
 XX PD 17-JAN-2001; 2001WO-US01339.  
 XX PF 31-JAN-2000; 2000US-0179065.  
 XX PR 04-FEB-2000; 2000US-0180628.  
 XX PR 24-FEB-2000; 2000US-0184664.  
 XX PR 02-MAR-2000; 2000US-0186350.  
 XX PR 16-MAR-2000; 2000US-0189874.  
 XX PR 17-MAR-2000; 2000US-0190076.  
 XX PR 18-APR-2000; 2000US-0198123.  
 XX PR 19-MAY-2000; 2000US-0205515.  
 XX PR 07-JUN-2000; 2000US-0209467.  
 XX PR 28-JUN-2000; 2000US-0214886.  
 XX PR 30-JUN-2000; 2000US-0215135.  
 XX PR 07-JUL-2000; 2000US-0216647.  
 XX PR 07-JUL-2000; 2000US-0216880.  
 XX PR 11-JUL-2000; 2000US-0217487.  
 XX PR 11-JUL-2000; 2000US-0217496.  
 XX PR 14-JUL-2000; 2000US-0218290.  
 XX PR 26-JUL-2000; 2000US-0220963.  
 XX PR 14-AUG-2000; 2000US-0224518.  
 XX PR 14-AUG-2000; 2000US-0224519.  
 XX PR 14-AUG-2000; 2000US-0225213.  
 XX PR 14-AUG-2000; 2000US-0225214.  
 XX PR 14-AUG-2000; 2000US-0225266.  
 XX PR 14-AUG-2000; 2000US-0225267.  
 XX PR 14-AUG-2000; 2000US-0225268.  
 XX PR 14-AUG-2000; 2000US-0225270.  
 XX PR 14-AUG-2000; 2000US-0225447.  
 XX PR 14-AUG-2000; 2000US-0225757.  
 XX PR 14-AUG-2000; 2000US-0225758.  
 XX PR 14-AUG-2000; 2000US-0225759.  
 XX PR 22-AUG-2000; 2000US-0226279.  
 XX PR 22-AUG-2000; 2000US-0226681.  
 XX PR 22-AUG-2000; 2000US-0226868.  
 XX PR 22-AUG-2000; 2000US-0227182.  
 XX PR 23-AUG-2000; 2000US-0227009.  
 XX PR 30-AUG-2000; 2000US-0228924.  
 XX PR 01-SEP-2000; 2000US-0229287.  
 XX PR 01-SEP-2000; 2000US-0229343.  
 XX PR 01-SEP-2000; 2000US-0229344.  
 XX PR 01-SEP-2000; 2000US-0229345.  
 XX PR 05-SEP-2000; 2000US-0229509.  
 XX PR 05-SEP-2000; 2000US-0229513.  
 XX PR 06-SEP-2000; 2000US-0230437.  
 XX PR 06-SEP-2000; 2000US-0230438.  
 XX PR 08-SEP-2000; 2000US-0231242.  
 XX PR 08-SEP-2000; 2000US-0231243.  
 XX PR 08-SEP-2000; 2000US-0231244.

PR 08-SEP-2000; 2000US-0231413.  
PR 08-SEP-2000; 2000US-0231414.  
PR 08-SEP-2000; 2000US-0232080.  
PR 08-SEP-2000; 2000US-0232081.  
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PR 14-SEP-2000; 2000US-0233063.  
PR 14-SEP-2000; 2000US-0233064.  
PR 14-SEP-2000; 2000US-0233065.  
PR 21-SEP-2000; 2000US-0234223.  
PR 21-SEP-2000; 2000US-0234274.  
PR 25-SEP-2000; 2000US-0234997.  
PR 25-SEP-2000; 2000US-0234998.  
PR 26-SEP-2000; 2000US-0235484.  
PR 27-SEP-2000; 2000US-0235834.  
PR 29-SEP-2000; 2000US-0235836.  
PR 29-SEP-2000; 2000US-0236327.  
PR 29-SEP-2000; 2000US-0236367.  
PR 29-SEP-2000; 2000US-0236368.  
PR 29-SEP-2000; 2000US-0236369.  
PR 29-SEP-2000; 2000US-0236370.  
PR 02-OCT-2000; 2000US-0236802.  
PR 02-OCT-2000; 2000US-0237037.  
PR 02-OCT-2000; 2000US-0237038.  
PR 02-OCT-2000; 2000US-0237039.  
PR 02-OCT-2000; 2000US-0237040.  
PR 13-OCT-2000; 2000US-0239935.  
PR 13-OCT-2000; 2000US-0239937.  
PR 20-OCT-2000; 2000US-0239937.  
PR 20-OCT-2000; 2000US-0240960.  
PR 20-OCT-2000; 2000US-0241221.  
PR 20-OCT-2000; 2000US-0241785.  
PR 20-OCT-2000; 2000US-0241786.  
PR 20-OCT-2000; 2000US-0241787.  
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PR 20-OCT-2000; 2000US-0241809.  
PR 20-OCT-2000; 2000US-0241826.  
PR 01-NOV-2000; 2000US-0244617.  
PR 08-NOV-2000; 2000US-0246474.  
PR 08-NOV-2000; 2000US-0246475.  
PR 08-NOV-2000; 2000US-0246476.  
PR 08-NOV-2000; 2000US-0246477.  
PR 08-NOV-2000; 2000US-0246478.  
PR 08-NOV-2000; 2000US-0246523.  
PR 08-NOV-2000; 2000US-0246524.  
PR 08-NOV-2000; 2000US-0246525.  
PR 08-NOV-2000; 2000US-0246526.  
PR 08-NOV-2000; 2000US-0246527.  
PR 08-NOV-2000; 2000US-0246528.  
PR 08-NOV-2000; 2000US-0246532.  
PR 08-NOV-2000; 2000US-0246609.  
PR 08-NOV-2000; 2000US-0246610.  
PR 08-NOV-2000; 2000US-0246611.  
PR 08-NOV-2000; 2000US-0246613.  
PR 17-NOV-2000; 2000US-0249207.  
PR 17-NOV-2000; 2000US-0249208.  
PR 17-NOV-2000; 2000US-0249209.  
PR 17-NOV-2000; 2000US-0249210.  
PR 17-NOV-2000; 2000US-0249211.  
PR 17-NOV-2000; 2000US-0249212.  
PR 17-NOV-2000; 2000US-0249213.  
PR 17-NOV-2000; 2000US-0249214.  
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PR 17-NOV-2000; 2000US-0249217.  
PR 17-NOV-2000; 2000US-0249218.  
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PR 17-NOV-2000; 2000US-0249245.  
PR 17-NOV-2000; 2000US-0249264.  
PR 17-NOV-2000; 2000US-0249265.

PR 17-NOV-2000; 2000US-0249297.  
PR 17-NOV-2000; 2000US-0249299.  
PR 17-NOV-2000; 2000US-0249300.  
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PR 01-DEC-2000; 2000US-0250391.  
PR 05-DEC-2000; 2000US-0251030.  
PR 05-DEC-2000; 2000US-0251988.  
PR 05-DEC-2000; 2000US-0256719.  
PR 06-DEC-2000; 2000US-0251479.  
PR 08-DEC-2000; 2000US-0251856.  
PR 08-DEC-2000; 2000US-0251868.  
PR 08-DEC-2000; 2000US-0251869.  
PR 08-DEC-2000; 2000US-0251869.  
PR 08-DEC-2000; 2000US-0251990.  
PR 11-DEC-2000; 2000US-0254097.  
PR 05-JAN-2001; 2001US-0259678.  
XX  
XX (HUMA-) HUMAN GENOME SCI INC.

PI Rosen CA, Barash SC, Ruben SM;  
XX  
XX WPI; 2001-465570/50.  
DR N-PSDB; AAL02486.  
DR  
XX

PT Isolated nucleic acid molecule encoding a reproductive system antigen -  
is used in preventing, treating or ameliorating a medical condition -  
XX  
XX Claim 11; SEQ ID NO 5174; 1297pp + Sequence Listing; English.

XX The present invention provides the protein and coding sequences of a  
number of human reproductive system related antigens. These can be used  
in the prevention and treatment of reproductive system disorders,  
including cancer. The present sequence is a protein of the invention.  
XX  
XX

SQ Sequence 61 AA;

Query Match 100.0%; Score 31; DB 22; Length 61;

Best Local Similarity 45.5%; Pred.No. 3.7e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVFPXXXXX 11  
Db 49 EEVFPQKKKK 59  
|||||:::

RESULT 53

ABH43881  
ID ABH43881 standard; Peptide; 99 AA.

XX  
XX AC ABH43881;

XX  
XX DT 04-FEB-2002 (first entry)

XX  
XX DE Peptide #11387 encoded by human foetal liver single exon probe.

XX  
XX KW Human; foetal liver; gene expression; single exon nucleic acid probe.

XX  
XX OS Homo sapiens.

XX  
XX PN WO200157277-A2.

XX  
XX PD 09-AUG-2001.

XX  
XX PF 30-JAN-2001; 2001WO-US00669.

XX  
XX PR 04-FEB-2000; 2000US-0180312.

PR 26-MAY-2000; 2000US-0207456.

PR 30-JUN-2000; 2000US-0608408.

PR 03-AUG-2000; 2000US-0632366.

PR 21-SEP-2000; 2000US-0234687.

PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000GB-0024263.

XX

PA (MOLE-) MOLECULAR DYNAMICS INC.  
 XX Penn SG, Hanzel DK, Chen W, Rank DR;  
 PI WPI; 2001-483447/52.  
 DR Human genome-derived single exon nucleic acid probes useful for  
 XX analyzing gene expression in human fetal liver -  
 PT Claim 27; SEQ ID NO 36516; 639pp + sequence listing; English.  
 PS The invention relates to a single exon nucleic acid probe for  
 XX measuring human gene expression in a sample derived from human foetal  
 CC liver. The single exon nucleic acid probes may be used for predicting,  
 CC measuring and displaying gene expression in samples derived from human  
 CC fetal liver. The present sequence is a peptide encoded by a single exon  
 CC nucleic acid probe of the invention.  
 CC Note: The sequence data for this patent did not form part of the  
 CC printed specification, but was obtained in electronic format directly  
 CC from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 99 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 99;  
 Best Local Similarity 45.5%; Pred. No. 6.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db |||||:||||:  
 17 EEVVPALPEPE 27  
 RESULT 54  
 ID ABB26804 standard; Protein; 99 AA.  
 XX ABB26804;  
 AC 23-JAN-2002 (first entry)  
 DT Human; gene expression; heart; microarray; vascular system;  
 XX cardiovascular disease; hypertension; cardiac arrhythmia;  
 DE congenital heart disease.  
 KW Homo sapiens.  
 OS WO200157274-A2.  
 PN 09-AUG-2001.  
 PD 30-JAN-2001; 2001WO-US00666.  
 PF 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX (MOLE-) MOLECULAR DYNAMICS INC.  
 PA Penn SG, Hanzel DK, Chen W, Rank DR;  
 PI WPI; 2001-488899/53.  
 DR Single exon nucleic acid probes for analyzing gene expression in human  
 XX hearts -  
 PT Claim 15; SEQ ID NO 28574; 530pp; English.  
 PS  
 XX

CC The present invention relates to single exon nucleic acid probes for  
 CC measuring human gene expression in a sample derived from human heart (see  
 CC ABA21535-ABA41305). The present sequence is a protein encoded by one such  
 CC probe. The probes may be used for predicting, measuring and displaying  
 CC gene expression in samples derived from the human heart via microarrays.  
 CC By measuring gene expression, the probes are useful for predicting,  
 CC diagnosing, grading, staging, monitoring and prognosing diseases of the  
 CC human heart and vascular system e.g. cardiovascular disease,  
 CC hypertension, cardiac arrhythmias and congenital heart disease.  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 99 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 99;  
 Best Local Similarity 45.5%; Pred. No. 6.3e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 Db |||||:||||:  
 17 EEVVPALPEPE 27  
 RESULT 55  
 ID AAM64869 standard; Protein; 99 AA.  
 XX AAM64869;  
 AC 05-NOV-2001 (first entry)  
 DT Human brain expressed single exon probe encoded protein SEQ ID NO: 36974.  
 DE Human; brain expressed exon; gene expression analysis; probe;  
 KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;  
 KW epilepsy; cancer.  
 XX Homo sapiens.  
 OS WO200157275-A2.  
 PN 09-AUG-2001.  
 PD 30-JAN-2001; 2001WO-US00667.  
 PF 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX (MOLE-) MOLECULAR DYNAMICS INC.  
 PA Penn SG, Hanzel DK, Chen W, Rank DR;  
 PI WPI; 2001-483446/52.  
 DR Single exon nucleic acid probes for analyzing gene expression in human  
 XX brains -  
 PT Example 4; SEQ ID NO: 36974; 650pp + Sequence Listing; English.  
 PS  
 XX The present invention provides a number of single exon nucleic acid  
 CC probes which are derived from genomic sequences expressed in the human  
 CC brain. They can be used to measure gene expression in brain cell samples,  
 CC which may enable the diagnosis and improved treatment of nervous system  
 CC diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia, f  
 CC epilepsy and cancers. The present sequence is a protein encoded by one of  
 CC the probes of the invention.  
 CC

```
SQ Sequence 99 AA;
Query Match 100.0%; Score 31; DB 22; Length 99;
Best Local Similarity 45.5%; Pred. No. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
Db 17 EEVVPALPTE 27

RESULT 56
AAM77607
ID AAM77607 standard; Protein; 99 AA.
XX
AC AAM77607;
XX
DT 06-NOV-2001 (first entry)
XX
DE Human bone marrow expressed probe encoded protein SEQ ID NO: 37913.
XX
KW Human; bone marrow expressed exon; gene expression analysis; probe;
KW microarray; cancer; leukaemia; lymphoma; myeloma.
XX
OS Homo sapiens.
XX
PN WO200157276-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00668.
XX
PR 04-FEB-2000; 2000US-0180312.
XX
PR 26-MAY-2000; 2000US-0207456.
XX
PR 30-JUN-2000; 2000US-0608408.
XX
PR 03-AUG-2000; 2000US-0632366.
XX
PR 21-SEP-2000; 2000US-0234687.
XX
PR 27-SEP-2000; 2000US-0236359.
XX
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
PD WPI; 2001-488900/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human bone marrow -
XX
PS Claim 27; SEQ ID NO 26360; 487pp; English.
XX
CC The present invention relates to human single exon nucleic acid probes
CC (SENPs: see AAI10068-AA128459). The present sequence is a peptide encoded
CC by one such probe. The SENPs are derived from human HeLa cells. The SENPs
CC can be used to produce a single exon microarray, which can be used for
CC measuring human gene expression in a sample derived from human cervical
CC epithelial cells. By measuring gene expression, the probes are therefore
CC useful in grading and/or staging of diseases of the cervix, notably
CC cervical cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 99 AA;
Query Match 100.0%; Score 31; DB 22; Length 99;
Best Local Similarity 45.5%; Pred. No. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
Db 17 EEVVPALPTE 27

RESULT 57
AAM21534
ID AAM21534 standard; Protein; 99 AA.
XX
AC AAM21534;
XX
DT 12-OCT-2001 (first entry)
XX
DE Peptide #7968 encoded by probe for measuring cervical gene expression.
XX
KW Probe; human; microarray; gene expression; cervical epithelial cell;
KW cervical cancer.
XX
OS Homo sapiens.
XX
PN WO200157278-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00670.
XX
PR 04-FEB-2000; 2000US-0180312.
XX
PR 26-MAY-2000; 2000US-0207456.
XX
PR 30-JUN-2000; 2000US-0608408.
XX
PR 03-AUG-2000; 2000US-0632366.
XX
PR 21-SEP-2000; 2000US-0234687.
XX
PR 27-SEP-2000; 2000US-0236359.
XX
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
PD WPI; 2001-488901/53.
XX
PT Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human cervical epithelial cells -
XX
PS Claim 27; SEQ ID NO 26360; 487pp; English.
XX
CC The present invention relates to human single exon nucleic acid probes
CC (SENPs: see AAI10068-AA128459). The present sequence is a peptide encoded
CC by one such probe. The SENPs are derived from human HeLa cells. The SENPs
CC can be used to produce a single exon microarray, which can be used for
CC measuring human gene expression in a sample derived from human cervical
CC epithelial cells. By measuring gene expression, the probes are therefore
CC useful in grading and/or staging of diseases of the cervix, notably
CC cervical cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 99 AA;
Query Match 100.0%; Score 31; DB 22; Length 99;
Best Local Similarity 45.5%; Pred. No. 6.3e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
Db 17 EEVVPALPTE 27

RESULT 58
AAM37801
ID AAM37801 standard; Protein; 99 AA.
XX
AC AAM37801;
XX
DT 17-OCT-2001 (first entry)
XX
DE Peptide #11838 encoded by probe for measuring placental gene expression.
XX
KW Probe; microarray; human; placenta; antenatal diagnosis;
KW genetic disorder.
XX
OS Homo sapiens.
```



XX AC AAU46759;  
XX DT 27-FEB-2002 (first entry)  
XX DE Propionibacterium acnes immunogenic protein #7655.  
XX KW SAPHO syndrome; synovitis; acne; pustulosis; hypertonosis; osteomyelitis;  
KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;  
KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;  
KW dermatological; osteopathic; neuroprotectant.  
XX OS Propionibacterium acnes.  
XX PN WO200181581-A2.  
XX PD 01-NOV-2001.  
XX PF 20-APR-2001; 2001WO-US12865.  
XX PR 21-APR-2000; 2000US-199047P.  
XX PR 02-JUN-2000; 2000US-208841P.  
XX PR 07-JUL-2000; 2000US-216747P.  
XX PA (CORI-) CORIXA CORP.  
XX PI Skelky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;  
PI L'maisonneuve J, Zhang Y, Jen S, Carter D;  
XX WPI; 2001-616774/71.  
XX DR N-PSDB; AAS95535.  
XX PT Propionibacterium acnes polypeptides and nucleic acids useful for  
PT vaccinating against and diagnosing infections, especially useful for  
PT treating acne vulgaris -  
XX Example 1: SEQ ID No 7954; 1069pp; English.  
XX Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic  
CC polypeptides. The proteins and their associated DNA sequences are used in  
CC the treatment, prevention and diagnosis of medical conditions caused by  
CC P. acnes. The disorders include SAPHO syndrome (synovitis, acne,  
CC pustulosis, hypertonosis and osteomyelitis), uveitis and endophthalmitis.  
CC P. acnes is also involved in infections of bone, joints and the central  
CC nervous system, however it is particularly involved in the inflammatory  
CC lesions associated with acne vulgaris. A method for detecting the  
CC presence or absence of P. acnes in a patient comprises contacting a  
CC sample with a binding agent that binds to the proteins of the invention  
CC and determining the amount of bound protein in the sample. The  
CC polypeptides may be used as antigens in the production of antibodies  
CC specific for P. acnes proteins. These antibodies can be used to  
CC downregulate expression and activity of P. acnes polypeptides and  
CC therefore treat P. acnes infections. The antibodies may also be used as  
CC diagnostic agents for determining P. acnes presence, for example, by  
CC enzyme linked immunosorbent assay (ELISA).  
CC Note: The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 113 AA;  
Query Match 100.0%; Score 31; DB 22; Length 113;  
Best Local Similarity 45.5%; Pred. No. 7.4e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 91 EEVFGTGLP 101  
RESULT 61  
ABP38069  
ID ABP38069 standard; Protein; 115 AA.

XX AC ABP38069;  
XX DT 24-JUL-2002 (first entry)  
XX DE Staphylococcus epidermidis ORF amino acid sequence SEQ ID NO:2914.  
XX KW Staphylococcus epidermidis; open reading frame; ORF; bacterial infection;  
KW antibacterial; gene therapy.  
XX OS Staphylococcus epidermidis.  
XX PN US6380370-B1.  
XX PD 30-APR-2002.  
XX PF 13-AUG-1998; 98US-0134001.  
XX PR 14-AUG-1997; 97US-055779P.  
XX PR 08-NOV-1997; 97US-064964P.  
XX PA (GENO-) GENOME THERAPEUTICS CORP.  
XX PI Doucette-Stamm LA, Bush D;  
XX WPI; 2002-381255/41.  
XX DR N-PSDB; ABN90614.  
XX PT Novel isolated nucleic acid encoding a Staphylococcus epidermidis  
PT polypeptide, useful for diagnosing and treating bacterial infections -  
XX Disclosure: SEQ ID 2914; 267pp; English.  
XX ABN90538 to ABN93374 represent Staphylococcus epidermidis open reading  
CC frame (ORF) nucleic acid sequences which encode the amino acid sequences  
CC given in ABP35124 to ABP37960. The S. epidermidis sequences have  
CC antibacterial activity and can be used in gene therapy. The sequences  
CC can also be used in the diagnosis and treatment of bacterial infections,  
CC particularly S. epidermidis infections. The sequences can be used to  
CC screen for compounds able to interfere with the S. epidermidis life  
CC cycle or inhibit S. epidermidis infection.  
CC N.B. The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from the  
CC USPTO web site.  
XX SQ Sequence 115 AA;  
Query Match 100.0%; Score 31; DB 23; Length 115;  
Best Local Similarity 45.5%; Pred. No. 7.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
Db 17 EEVPTVVVDL 27  
RESULT 62  
AAB40460  
ID AAB40460 standard; Protein; 117 AA.  
XX AC AAB40460;  
XX DT 08-FEB-2001 (first entry)  
XX DE Human ORF224 polypeptide sequence SEQ ID NO:448.  
XX KW Human; open reading frame; ORF; detection; cytostatic; hepatotropic;  
KW vulnery; antipsoriatic; antiparkinsonian; nootropic; neuroprotective;  
KW anticonvulsant; osteopathic; antiarthritic; immunosuppressant; cardant;  
KW immunostimulant; thrombolytic; coagulant; vasotropic; antidiabetic;  
KW hypotensive; dermatological; immunosuppressive; antiinflammatory;  
KW antiviral; antibacterial; antifungal; antirheumatic; antithyroid;  
KW antianaemic; gene therapy; cancer; proliferative disorder; hypertension;

neurodegenerative disorder; osteoarthritis; graft vs host disease;  
 cardiovascular disease; diabetes mellitus; hypothyroidism; SCID; AIDS;  
 cholesterol ester storage; systemic lupus erythematosus; infection;  
 severe combined immunodeficiency; malaria; autoimmune disorder; asthma;  
 allergy; aplastic anaemia; nocturnal haemoglobinuria; burn; wound;  
 bone damage; cartilage damage; antiinflammatory disease; coagulation;  
 thrombosis; contraceptive.  
 XX  
 OS Homo sapiens.  
 XX  
 XX WO200058473-A2.  
 XX  
 XX PD 05-OCT-2000.  
 XX  
 XX PF 31-MAR-2000; 2000WO-US08621.  
 XX  
 XX PR 31-MAR-1999; 99US-0127607.  
 XX  
 XX PR 02-APR-1999; 99US-0127636.  
 XX  
 XX PR 05-APR-1999; 99US-0127728.  
 XX  
 XX PR 30-MAR-2000; 2000US-0540763.  
 XX  
 XX PA (CURA-) CURAGEN CORP.  
 XX  
 XX PI Shimkets RA, Leach M;  
 XX  
 XX DR WPI: 2000-602362/57.  
 XX  
 XX DR N-PSDB; AAC74669.  
 XX  
 XX PT Novel nucleic acids and peptides derived from open reading frame X,  
 XX  
 XX PT useful for treating e.g. cancers, proliferative disorders,  
 XX  
 XX PT neurodegenerative disorders and cardiovascular disease -  
 XX  
 XX PS Claim 11; Page 655; 5507pp; English.  
 XX  
 XX CC AAC74446 to AAC7606 encode the proteins given in AAB40237 to AAB43397,  
 XX  
 XX CC which represent the human ORFX open reading frames 1 to 3161. The ORFX  
 XX  
 XX CC sequences have activities such as: cytostatic; hepatotropic; vulnary;  
 XX  
 XX CC antiproliferative; antiparkinsonian; neurotropic; neuroprotective;  
 XX  
 XX CC osteopathic; anticonvulsant; antiarthritic; immunosuppressant;  
 XX  
 XX CC immunostimulant; cardiant; thrombolytic; coagulant; vasotropic;  
 XX  
 XX CC antidiabetic; hypotensive; dermatological; immunosuppressive;  
 XX  
 XX CC antiinflammatory; antibacterial; antiviral; antifungal; antirheumatic;  
 XX  
 XX CC antithyroid; and antianaemic. The sequences can be used for determining  
 XX  
 XX CC the presence of or predisposition to, or preventing or treating  
 XX  
 XX CC pathological conditions associated with an ORFX-associated disorder. The  
 XX  
 XX CC nucleic acids can be used to express ORFX proteins in gene therapy  
 XX  
 XX CC vectors. The proteins and nucleic acids may be used to treat cancers,  
 XX  
 XX CC proliferative disorders, neurodegenerative disorders, osteoarthritis,  
 XX  
 XX CC graft vs host disease, cardiovascular disease, diabetes mellitus,  
 XX  
 XX CC hypertension, hypothyroidism, cholesterol ester storage, systemic lupus  
 XX  
 XX CC erythematosus, severe combined immunodeficiency (SCID), AIDS, viral,  
 XX  
 XX CC bacterial or fungal infection, malaria, autoimmune disorders, asthma,  
 XX  
 XX CC allergies, aplastic anaemia, burns, wounds, bone and cartilage damage,  
 XX  
 XX CC nocturnal haemoglobinuria, antiinflammatory disease; to enhance  
 XX  
 XX CC coagulation; to inhibit thrombosis; and as a contraceptive.  
 XX  
 XX SQ Sequence 117 AA;  
 Query Match 100.0%; Score 31; DB 21; Length 117;  
 Best Local Similarity 45.5%; Pred. No. 7.6e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 85 EEVVPSPHCL 95  
 RESULT 63  
 AAW69418  
 ID AAW69418 standard; Protein; 120 AA.  
 XX  
 XX AC AAW69418;  
 XX  
 XX PD 17-SEP-1998.

09-DEC-1998 (first entry)  
 XX  
 DE Protein encoded by Insertion sequence element.  
 XX  
 XX Insertion sequence element; IS element; terminal repeat; infection.  
 KW  
 KW Pseudomonas glumae.  
 OS  
 XX JP10248573-A.  
 PN  
 XX 22-SEP-1998.  
 PD  
 XX 11-MAR-1997; 97JP-0056741.  
 XX  
 XX PF 11-MAR-1997; 97JP-0056741.  
 XX  
 XX PR (NORQ ) NORINSUISANSHO NOGYO SEIBUTSU SHIGEN.  
 XX  
 XX PA WPI: 1998-560725/48.  
 XX  
 XX DR N-PSDB; AAV58738.  
 XX  
 XX DR Three types of Insertion sequence derived from Pseudomonas glumae -  
 XX  
 XX PT useful for elucidation of infection path of Pseudomonas glumae  
 XX  
 XX PS Claim 1; Page 10-11; 18pp; Japanese.  
 XX  
 XX CC This sequence represents the protein encoded by the open reading frame  
 XX  
 XX CC contained in the insertion sequence (IS) element of the invention. The IS  
 XX  
 XX CC sequence contains the DNA encoding this sequence between two inverted  
 XX  
 XX CC terminal repeats, and can be used for the elucidation of infection paths  
 XX  
 XX CC of Pseudomonas glumae.  
 XX  
 XX SQ Sequence 120 AA;  
 Query Match 100.0%; Score 31; DB 19; Length 120;  
 Best Local Similarity 45.5%; Pred. No. 7.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 DB 64 EEVVPASELAD 74  
 RESULT 64  
 AAW75228  
 ID AAW75228 standard; Protein; 121 AA.  
 XX  
 XX AC AAW75228;  
 XX  
 XX DT 29-JAN-1999 (first entry)  
 XX  
 XX DE Human secreted protein encoded by gene 17 clone HPM091.  
 XX  
 XX KW Human; secreted protein; fusion protein; gene therapy; protein therapy;  
 XX  
 XX KW diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;  
 XX  
 XX KW developmental abnormality; foetal deficiency; blood; allergy; renal;  
 XX  
 XX KW immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;  
 XX  
 XX KW inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;  
 XX  
 XX KW cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus;  
 XX  
 XX KW osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion;  
 XX  
 XX KW endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.  
 XX  
 XX OS Homo sapiens.  
 XX  
 XX XX Key Location/Qualifiers  
 XX  
 XX FT Misc-difference 67  
 XX  
 XX FT /label= unknown  
 XX  
 XX FT Misc-difference 89  
 XX  
 XX FT /label= unknown  
 XX  
 XX XX WO9840483-A2.  
 XX  
 XX XX 17-SEP-1998.

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XX PF 12-MAR-1998; 98WO-US04858.
XX
PR 19-DEC-1997; 97US-0068368.
PR 14-MAR-1997; 97US-0040710.
PR 14-MAR-1997; 97US-0040762.
PR 30-MAY-1997; 97US-0048100.
PR 30-MAY-1997; 97US-0048189.
PR 30-MAY-1997; 97US-0048357.
PR 30-MAY-1997; 97US-0050934.
PR 06-JUN-1997; 97US-0048970.
PR 05-SEP-1997; 97US-0057765.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
XX Ferrie AM, Fischer CL, Gentz RL, Greene JM, Kyaw H;
PI Li H, Li Y, Moore PA, Rosen CA, Ruben SM, Soppet DR;
PI Wei YF, Young PE, Zeng Z;
XX
DR WPI; 1998-520811/44.
DR N-PSDB; AAV34318.
XX
XX Isolated human poly:nucleotide(s) encoding secretory peptide(s) -
PT used to develop products for the diagnosis and treatment of e.g.
PT inflammation, cancers, CNS disorders or immune system disorders
XX
PS Claim 1; Page 175; 201pp; English.
XX
CC This sequence represents a secreted human protein encoded by the gene
CC clone detailed in the descriptor line. The gene can be used to generate
CC fusion proteins by linking to the gene to a human immunoglobulin FC
CC portion (e.g. AAV34277) for increasing the stability of the fused
CC protein as compared to the human protein only.
CC The invention relates to 28 novel genes and their fragments (nucleic
CC acid sequences: AAV34286-V34325; amino acid sequences AAV75196-W75235)
CC which are useful for preventing, treating or ameliorating medical
CC conditions e.g. by protein or gene therapy. Also, pathological
CC polypeptides in a sample or by determining the amount of the new
CC polypeptides in a sample or by determining the presence of mutations in
CC the new polynucleotides. Specific uses are described for each of the 28
CC polynucleotides, based on which tissues they are most highly expressed in
CC (see AAV34286 for described uses).
XX
SQ Sequence 121 AA;
Query Match 100.0%; Score 31; DB 19; Length 121;
Best Local Similarity 45.5%; Pred. No. 7.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38
RESULT 65
AAW75212
ID AAW75212 standard; Protein; 121 AA.
XX
AC AAW75212;
XX
XX 29-JAN-1999 (first entry)
XX
DE Human secreted protein encoded by gene 17 clone HPMBQ91.
XX
KW Human; secreted protein; fusion protein; gene therapy; protein therapy;
KW diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;
KW developmental abnormality; foetal deficiency; blood; allergy; renal;
KW immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;
KW inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;
KW cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus;
KW osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion;
KW endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.
XX

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OS Homo sapiens.
XX
XX WO9840483-A2.
XX
PD 17-SEP-1998.
XX
XX 12-MAR-1998; 98WO-US04858.
XX
PR 19-DEC-1997; 97US-0068368.
PR 14-MAR-1997; 97US-0040710.
PR 14-MAR-1997; 97US-0040762.
PR 30-MAY-1997; 97US-0048100.
PR 30-MAY-1997; 97US-0048189.
PR 30-MAY-1997; 97US-0048357.
PR 30-MAY-1997; 97US-0050934.
PR 06-JUN-1997; 97US-0048970.
PR 05-SEP-1997; 97US-0057765.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
XX Ferrie AM, Fischer CL, Gentz RL, Greene JM, Kyaw H;
PI Li H, Li Y, Moore PA, Rosen CA, Ruben SM, Soppet DR;
PI Wei YF, Young PE, Zeng Z;
XX
DR WPI; 1998-520811/44.
DR N-PSDB; AAV34302.
XX
XX Isolated human poly:nucleotide(s) encoding secretory peptide(s) -
PT used to develop products for the diagnosis and treatment of e.g.
PT inflammation, cancers, CNS disorders or immune system disorders
XX
PS Claim 1; Page 162-163; 201pp; English.
XX
CC This sequence represents a secreted human protein encoded by the gene
CC clone detailed in the descriptor line. The gene can be used to generate
CC fusion proteins by linking to the gene to a human immunoglobulin FC
CC portion (e.g. AAV34277) for increasing the stability of the fused
CC protein as compared to the human protein only.
CC The invention relates to 28 novel genes and their fragments (nucleic
CC acid sequences: AAV34286-V34325; amino acid sequences AAV75196-W75235)
CC which are useful for preventing, treating or ameliorating medical
CC conditions e.g. by protein or gene therapy. Also, pathological
CC polypeptides in a sample or by determining the amount of the new
CC polypeptides in a sample or by determining the presence of mutations in
CC the new polynucleotides. Specific uses are described for each of the 28
CC polynucleotides, based on which tissues they are most highly expressed in
CC (see AAV34286 for described uses).
XX
SQ Sequence 121 AA;
Query Match 100.0%; Score 31; DB 19; Length 121;
Best Local Similarity 45.5%; Pred. No. 7.9e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38
RESULT 66
AAW97213
ID AAW97213 standard; Protein; 121 AA.
XX
AC AAW97213;
XX
XX 07-MAY-1999 (first entry)
XX
DE A human zneurok1 polypeptide.
XX
KW Human; zneurok1; neurokinin B; prohormone convertase; cell growth;
KW modulation; inflammation; noinception; emesis; contraction;
KW hormone secretion; DNA synthesis; inositol phosphate turnover;
KW arachidonate release; phospholipase-C activation; gastric emptying;
XX

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XX PF 10-NOV-2000; 2000WO-GB04315.  
 XX PR 16-NOV-1999; 99GB-0027125.  
 XX PA (UYRE-) UNIV READING.  
 XX PI Page N, Lowry P;  
 XX DR WPI; 2001-355676/37.  
 XX DR N-PSDB; AAF90333, AAF90334.  
 XX PT Detecting production of the human precursor of neurokinin B by the  
 XX PT placenta in pregnancy induced hypertension or pre-eclampsia or related  
 XX PT foetal complication  
 XX PS Example 1; Fig 1; 63pp; English.  
 XX CC The present sequence is that of human neurokinin B (NKB) precursor.  
 XX CC The cloning of placental cDNA (see AAF90333) was used to identify  
 XX CC the NKB precursor. The precursor is processed to the 10-amino acid  
 XX CC NKB peptide. Detection of raised plasma levels of NKB, NKB  
 XX CC precursor, its breakdown product or variants at an early stage of  
 XX CC pregnancy provide an indication of the likely development of  
 XX CC levels of circulating NKB (or reduction of its effects) will  
 XX CC ameliorate the adverse effects upon the mother seen in these  
 XX CC conditions. Thus, the invention provides methods for predicting or  
 XX CC diagnosing pregnancy induced hypertension, pre-eclampsia or  
 XX CC related foetal complication based on measuring NKB levels in the  
 XX CC blood, and methods for preventing or treating these conditions,  
 XX CC e.g. by administering an agent that inhibits the biological  
 XX CC effect of NKB, such as an NK1, NK2 or NK3 antagonist.  
 XX SQ Sequence 121 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 121;  
 Best Local Similarity 45.5%; Pred. No. 7.9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXX 11  
 Db |||||:||||:  
 28 EEVVPVGGGRSK 38  
 RESULT 69  
 AAW96144  
 ID AAW96144 standard; Protein; 122 AA.  
 AC AAW96144;  
 XX 27-APR-1999 (first entry)  
 XX Human preprotachykinin B.  
 XX Preprotachykinin B; PPT-B; neoplastic disorder;  
 KW neurological disorder; Alzheimer's disease; amnesia;  
 KW cerebral neoplasms; dementia; depression; Down's syndrome;  
 KW Huntington's disease; multiple sclerosis; Parkinson's disease;  
 KW paranoid psychoses; schizophrenia; Tourette's disorder; angina;  
 KW anaphylactic shock; asthma; cardiovascular shock;  
 KW myocardial infarction; migraine.  
 XX Homo sapiens.  
 OS  
 XX Key Location/Qualifiers  
 FH Misc-difference 104  
 FT /label= Leu, Ser or Trp  
 XX W09857986-A2.  
 XX 23-DEC-1998.  
 XX

PF 19-JUN-1998; 98WO-US12855.  
 XX 19-JUN-1997; 97US-0879995.  
 XX (INCY-) INCYTE PHARM INC.  
 XX PA Hillman JJ, Kaser MR, Lal P;  
 XX PI WPI; 1999-080948/07.  
 XX DR N-PSDB; AAX08906.  
 XX PT New human preprotachykinin B - useful for treating neurological  
 XX PT disorders and cancer  
 XX PS Claim 1; Page 48-49; 57pp; English.  
 XX CC Human preprotachykinin B (PPT-B) can be used to treat a  
 XX CC neurological disorder. Antagonists of PPT-B can also be used in  
 XX CC the treatment of neoplastic disorders. Particular neurological,  
 XX CC disorders include akathisia, Alzheimer's disease, amnesia,  
 XX CC amyotrophic lateral sclerosis, bipolar disorder, catatonias,  
 XX CC cerebral neoplasms, dementia, depression, Down's syndrome, tardive  
 XX CC dyskinesia, dystonias, Huntington's disease, multiple sclerosis,  
 XX CC neurofibromatosis, Parkinson's disease, paranoid psychoses,  
 XX CC schizofrenia, and Tourette's disorder. PPT-B or its agonist can  
 XX CC also be used to treat angina, anaphylactic shock, arrhythmias,  
 XX CC asthma, cardiovascular shock, Cushing's syndrome, hypertension,  
 XX CC hypoglycemia, myocardial infarction, migraine and pheochromocytoma.  
 XX SQ Sequence 122 AA;  
 Query Match 100.0%; Score 31; DB 20; Length 122;  
 Best Local Similarity 45.5%; Pred. No. 8e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXX 11  
 Db |||||:||||:  
 28 EEVVPVGGGRSK 38  
 RESULT 70  
 AAB33445  
 ID AAB33445 standard; Protein; 135 AA.  
 XX AC AAB33445;  
 XX 29-JAN-2001 (first entry)  
 XX Human PRO1155 protein UNQ585 SEQ ID NO:157.  
 KW Human; immune related disease; diagnosis; antiinflammatory; cardiant;  
 KW dermatological; antiarthritic; antirheumatic; immunosuppressive;  
 KW haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective;  
 KW antianaemic; hepatotropic; virucide; antipsoriatic; antiallergic;  
 KW antiasthmatic; systemic lupus erythematosus; rheumatoid arthritis;  
 KW osteoarthritis; spondyloarthropathy; systemic sclerosis; sarcoidosis;  
 KW idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;  
 KW systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;  
 KW autoimmune thrombocytopaenia; immune-mediated renal disease;  
 KW demyelinating disease; hepatobiliary disease; Whipple's disease;  
 KW inflammatory bowel disease; gluten-sensitive enteropathy;  
 KW autoimmune disease; immune-mediated skin disease; allergic disease;  
 KW immunological disease; transplantation associated disease;  
 KW graft rejection; graft-versus-host-disease.  
 XX Homo sapiens.  
 OS  
 XX WO2000053758-A2.  
 XX 14-SEP-2000.  
 XX 02-MAR-2000; 2000WO-US05841.  
 XX

PR 08-MAR-1999; 99WO-US05028.  
PR 10-MAR-1999; 99US-0123618.  
PR 12-MAR-1999; 99US-0123957.  
PR 13-MAR-1999; 99US-0125775.  
PR 12-APR-1999; 99US-0128849.  
PR 20-APR-1999; 99WO-US08615.  
PR 28-APR-1999; 99US-0131445.  
PR 04-MAY-1999; 99US-0132371.  
PR 14-MAY-1999; 99US-0134287.  
PR 02-JUN-1999; 99WO-US12252.  
PR 23-JUN-1999; 99US-0141037.  
PR 20-JUL-1999; 99US-0144758.  
PR 26-JUL-1999; 99US-0145698.  
PR 28-JUL-1999; 99US-0146222.  
PR 01-SEP-1999; 99WO-US20111.  
PR 08-SEP-1999; 99WO-US20594.  
PR 13-SEP-1999; 99WO-US20944.  
PR 15-SEP-1999; 99WO-US21090.  
PR 15-SEP-1999; 99WO-US21547.  
PR 05-OCT-1999; 99WO-US22089.  
PR 29-OCT-1999; 99US-0162506.  
PR 29-NOV-1999; 99WO-US28214.  
PR 30-NOV-1999; 99WO-US28313.  
PR 30-NOV-1999; 99WO-US28409.  
PR 01-DEC-1999; 99WO-US28301.  
PR 01-DEC-1999; 99WO-US28634.  
PR 02-DEC-1999; 99WO-US28551.  
PR 02-DEC-1999; 99WO-US28564.  
PR 02-DEC-1999; 99WO-US28565.  
PR 16-DEC-1999; 99WO-US30095.  
PR 20-DEC-1999; 99WO-US30999.  
PR 30-DEC-1999; 99WO-US31274.  
PR 05-JAN-2000; 2000WO-US00219.  
PR 06-JAN-2000; 2000WO-US00277.  
PR 06-JAN-2000; 2000WO-US00376.  
PR 11-FEB-2000; 2000WO-US03565.  
PR 18-FEB-2000; 2000WO-US04341.  
PR 18-FEB-2000; 2000WO-US04342.  
PR 22-FEB-2000; 2000WO-US04414.  
XX  
XX (GETH ) GENENTECH INC.  
XX  
PI Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W;  
PI Kabakoff RC, Lu Y, Pan J, Pennica D, Shelton DL, Smith V;  
PI Stewart TA, Tumas D, Watanabe CK, Wood WI, Yan M;  
XX  
XX WPI; 2000-572271/53.  
XX N-PSDB; AAC58610.  
XX  
XX Sixty four PRO polypeptides, useful in the diagnosis and treatment of  
XX immune related disorders, e.g. systemic lupus erythematosus, rheumatoid  
XX arthritis, osteoarthritis, thyroiditis and diabetes mellitus -  
XX  
XX Claim 33; Fig 64; 309pp; English.  
XX  
XX The present invention describes sixty four human PRO proteins which can  
XX be used in the treatment of immune related diseases. The human PRO  
XX proteins, anti-PRO antibodies, agonists and antagonists are useful for  
XX treating and diagnosing immune related disorders. The disorders are  
XX selected from systemic lupus erythematosus, rheumatoid arthritis,  
XX osteoarthritis, juvenile chronic arthritis, spondyloarthropathies,  
XX systemic sclerosis, idiopathic inflammatory myopathies, Sjogren's  
XX syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic  
XX anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus,  
XX immune-mediated renal disease, demyelinating diseases of the central  
XX and peripheral nervous systems, hepatobiliary diseases, inflammatory  
XX bowel disease, gluten-sensitive enteropathy and Whipple's disease,  
XX autoimmune or immune-mediated skin diseases, allergic diseases,  
XX immunological diseases of the lung, and transplantation associated  
XX diseases including graft rejection and graft-versus-host-disease.  
XX AAC58397 to AAC58578 represent PCR primers and hybridisation probes used  
XX in the isolation of human PRO sequences. AAC58579 to AAC58642 and  
XX AAB33414 to AAB33477 represent human PRO polynucleotide and protein

CC sequences given in the exemplification of the present invention.  
XX  
SQ Sequence 135 AA;  
Query Match 100.0%; Score 31; DB 21; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
Db 28 EEVPPGGGRSK 38  
  
RESULT 71  
RAY66739  
ID AAY66739 standard; protein; 135 AA.  
XX  
AC AAY66739;  
XX  
XX 05-APR-2000 (first entry)  
XX  
XX Membrane-bound protein PRO1155.  
XX  
XX Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;  
XX pharmacological; receptor immunoadhesin; gene mapping.  
XX  
XX Homo sapiens.  
XX  
XX WO9963088-A2.  
XX  
XX 09-DEC-1999.  
XX  
XX 02-JUN-1999; 99WO-US12252.  
XX  
XX 02-JUN-1998; 98US-0087607.  
XX 02-JUN-1998; 98US-0087609.  
XX 02-JUN-1998; 98US-0087759.  
XX 03-JUN-1998; 98US-0087827.  
XX 04-JUN-1998; 98US-0088021.  
XX 04-JUN-1998; 98US-0088025.  
XX 04-JUN-1998; 98US-0088028.  
XX 04-JUN-1998; 98US-0088029.  
XX 04-JUN-1998; 98US-0088030.  
XX 04-JUN-1998; 98US-0088033.  
XX 04-JUN-1998; 98US-0088326.  
XX 05-JUN-1998; 98US-0088167.  
XX 05-JUN-1998; 98US-0088202.  
XX 05-JUN-1998; 98US-0088212.  
XX 05-JUN-1998; 98US-0088217.  
XX 09-JUN-1998; 98US-0088655.  
XX 10-JUN-1998; 98US-0088722.  
XX 10-JUN-1998; 98US-0088730.  
XX 10-JUN-1998; 98US-0088734.  
XX 10-JUN-1998; 98US-0088738.  
XX 10-JUN-1998; 98US-0088740.  
XX 10-JUN-1998; 98US-0088741.  
XX 10-JUN-1998; 98US-0088742.  
XX 10-JUN-1998; 98US-0088810.  
XX 10-JUN-1998; 98US-0088811.  
XX 10-JUN-1998; 98US-0088824.  
XX 10-JUN-1998; 98US-0088825.  
XX 10-JUN-1998; 98US-0088826.  
XX 11-JUN-1998; 98US-0088858.  
XX 11-JUN-1998; 98US-0088861.  
XX 11-JUN-1998; 98US-0088863.  
XX 11-JUN-1998; 98US-0088876.  
XX 12-JUN-1998; 98US-0089090.  
XX 12-JUN-1998; 98US-0089105.  
XX 16-JUN-1998; 98US-0089440.  
XX 16-JUN-1998; 98US-0089512.  
XX 16-JUN-1998; 98US-0089514.  
XX 17-JUN-1998; 98US-0089532.  
XX 17-JUN-1998; 98US-0089538.

PR 17-JUN-1998; 98US-0089598.  
 PR 17-JUN-1998; 98US-0089599.  
 PR 17-JUN-1998; 98US-0089600.  
 PR 17-JUN-1998; 98US-0089653.  
 PR 18-JUN-1998; 98US-0089801.  
 PR 18-JUN-1998; 98US-0089907.  
 PR 18-JUN-1998; 98US-0089908.  
 PR 19-JUN-1998; 98US-0089947.  
 PR 19-JUN-1998; 98US-0089948.  
 PR 19-JUN-1998; 98US-0089952.  
 PR 22-JUN-1998; 98US-0090246.  
 PR 22-JUN-1998; 98US-0090252.  
 PR 22-JUN-1998; 98US-0090254.  
 PR 23-JUN-1998; 98US-0090349.  
 PR 23-JUN-1998; 98US-0090355.  
 PR 24-JUN-1998; 98US-0090429.  
 PR 24-JUN-1998; 98US-0090431.  
 PR 24-JUN-1998; 98US-0090435.  
 PR 24-JUN-1998; 98US-0090444.  
 PR 24-JUN-1998; 98US-0090445.  
 PR 24-JUN-1998; 98US-0090472.  
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 PR 24-JUN-1998; 98US-0090538.  
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 PR 24-JUN-1998; 98US-0090557.  
 PR 25-JUN-1998; 98US-0090676.  
 PR 25-JUN-1998; 98US-0090678.  
 PR 25-JUN-1998; 98US-0090688.  
 PR 25-JUN-1998; 98US-0090690.  
 PR 25-JUN-1998; 98US-0090691.  
 PR 25-JUN-1998; 98US-0090694.  
 PR 25-JUN-1998; 98US-0090695.  
 PR 25-JUN-1998; 98US-0090696.  
 PR 26-JUN-1998; 98US-0090862.  
 PR 26-JUN-1998; 98US-0090863.  
 PR 01-JUL-1998; 98US-0091358.  
 PR 01-JUL-1998; 98US-0091360.  
 PR 01-JUL-1998; 98US-0091544.  
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 PR 02-JUL-1998; 98US-0091486.  
 PR 02-JUL-1998; 98US-0091519.  
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 PR 02-JUL-1998; 98US-0091628.  
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 PR 04-AUG-1998; 98US-0095282.  
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 PR 04-AUG-1998; 98US-0095318.  
 PR 04-AUG-1998; 98US-0095321.  
 PR 04-AUG-1998; 98US-0095325.  
 PR 10-AUG-1998; 98US-0095916.  
 PR 10-AUG-1998; 98US-0095929.  
 PR 10-AUG-1998; 98US-0096012.  
 PR 11-AUG-1998; 98US-0096143.  
 PR 11-AUG-1998; 98US-0096146.  
 PR 12-AUG-1998; 98US-0096329.  
 PR 17-AUG-1998; 98US-0096757.  
 PR 17-AUG-1998; 98US-0096766.  
 PR 17-AUG-1998; 98US-0096768.  
 PR 17-AUG-1998; 98US-0096773.  
 PR 17-AUG-1998; 98US-0096791.  
 PR 17-AUG-1998; 98US-0096867.  
 PR 17-AUG-1998; 98US-0096891.

PR 17-AUG-1998; 98US-0096894.  
 PR 17-AUG-1998; 98US-0096895.  
 PR 17-AUG-1998; 98US-0096897.  
 PR 18-AUG-1998; 98US-0096949.  
 PR 18-AUG-1998; 98US-0096950.  
 PR 18-AUG-1998; 98US-0096959.  
 PR 18-AUG-1998; 98US-0096960.  
 PR 18-AUG-1998; 98US-0097022.  
 PR 19-AUG-1998; 98US-0097141.  
 PR 20-AUG-1998; 98US-0097218.  
 PR 24-AUG-1998; 98US-0097661.  
 PR 26-AUG-1998; 98US-0097951.  
 PR 26-AUG-1998; 98US-0097952.  
 PR 26-AUG-1998; 98US-0097954.  
 PR 26-AUG-1998; 98US-0097955.  
 PR 26-AUG-1998; 98US-0097971.  
 PR 26-AUG-1998; 98US-0097974.  
 PR 26-AUG-1998; 98US-0097978.  
 PR 26-AUG-1998; 98US-0097979.  
 PR 26-AUG-1998; 98US-0097986.  
 PR 31-AUG-1998; 98US-0098014.  
 PR 31-AUG-1998; 98US-0098525.  
 PR 16-SEP-1998; 98US-0100634.  
 PR 12-JAN-1999; 99US-0115565.

(GETH ) GENENTECH INC.

Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;  
 Wood WL, Yuan J;

WPI; 2000-072883/06.

N-PSDB; AAZ65085.

Membrane-bound proteins and related nucleotide sequences

claim 12; Fig 254; 822pp; English.

The invention provides membrane-bound PRO polypeptides and polynucleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE ligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in the generation of antisense RNA and DNA. PRO nucleic acid sequences will also be useful for the preparation of PRO polypeptides, especially by recombinant techniques.

Sequence 135 AA;

Query Match 100.0%; Score 31; DB 21; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:::  
 Db 28 EEVVPGGGRSK 38

RESULT 72

AAU29245

ID AAU29245 standard; Protein; 135 AA.

XX AC AAU29245;

XX 18-DEC-2001 (first entry)

DT 18-DEC-2001 (first entry)

XX Human PRO polypeptide sequence #222.

DE

XX

KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;  
 KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;  
 KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;  
 KW adrenal; lung; prostate; rectum; cervix; liver; genetic disorder.

XX Homo sapiens.

XX WO200168848-A2.

XX 20-SEP-2001.

XX 28-FEB-2001; 2001WO-US06520.

XX 01-MAR-2000; 2000WO-US05601.

XX 02-MAR-2000; 2000WO-US05841.

XX 03-MAR-2000; 2000US-187202P.

XX 06-MAR-2000; 2000US-186968P.

XX 14-MAR-2000; 2000US-189320P.

XX 14-MAR-2000; 2000US-189328P.

XX 15-MAR-2000; 2000WO-US06884.

XX 21-MAR-2000; 2000US-190828P.

XX 21-MAR-2000; 2000US-191007P.

XX 21-MAR-2000; 2000US-191048P.

XX 21-MAR-2000; 2000US-191314P.

XX 28-MAR-2000; 2000US-192655P.

XX 29-MAR-2000; 2000US-193032P.

XX 29-MAR-2000; 2000US-193053P.

XX 30-MAR-2000; 2000WO-US08439.

XX 04-APR-2000; 2000US-194449P.

XX 04-APR-2000; 2000US-194647P.

XX 11-APR-2000; 2000US-195975P.

XX 11-APR-2000; 2000US-196000P.

XX 11-APR-2000; 2000US-196187P.

XX 11-APR-2000; 2000US-196690P.

XX 11-APR-2000; 2000US-196820P.

XX 18-APR-2000; 2000US-198121P.

XX 18-APR-2000; 2000US-198585P.

XX 25-APR-2000; 2000US-199397P.

XX 25-APR-2000; 2000US-199550P.

XX 25-APR-2000; 2000US-199654P.

XX 03-MAY-2000; 2000US-201516P.

XX 17-MAY-2000; 2000WO-US13705.

XX 22-MAY-2000; 2000WO-US14042.

XX 30-MAY-2000; 2000WO-US14941.

XX 02-JUN-2000; 2000WO-US15264.

XX 05-JUN-2000; 2000US-209832P.

XX 28-JUL-2000; 2000WO-US20710.

CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats  
 CC and rabbits but are preferably human. The polypeptides can be used to  
 CC stimulate tumour necrosis factor (TNF) alpha release from human blood,  
 CC when contacted with it. A specific polypeptide can be used to stimulate  
 CC the proliferation or differentiation of chondrocyte cells. The PRO  
 CC proteins can be used to determine the presence of tumours and also  
 CC susceptibility to tumour development, particularly adrenal, lung, colon,  
 CC breast, prostate, rectal, cervical, or liver tumours, in mammalian  
 CC subjects. The oligonucleotide probes specific for the PRO nucleic acids  
 CC can be used for genetic analysis of individuals with genetic disorders.

XX Sequence 135 AA;

Query Match 100.0%; Score 31; DB 22; Length 135;

Best Local Similarity 45.5%; Pred. No. 9e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

|||||:

Db 28 EEVPPGGGRSK 38

RESULT 73

AAB65262

ID AAB65262 standard; Protein; 135 AA.

XX AAB65262;

XX 02-APR-2001 (first entry)

XX Human PRO1155 (UNQ585) protein sequence SEQ ID NO:359.

XX Human; secreted and transmembrane protein; PRO; cytostatic;  
 KW cell death; cancer; chromosomal mapping; gene mapping; tissue typing;  
 KW diagnostic assay.

XX Homo sapiens.

XX WO200073454-A1.

XX 07-DEC-2000.

XX 30-MAR-2000; 2000WO-US08439.

XX 02-JUN-1999; 99WO-US12252.

XX 23-JUN-1999; 99US-0141037.

XX 07-JUL-1999; 99US-0143048.

XX 20-JUL-1999; 99US-0144758.

XX 26-JUL-1999; 99US-0145698.

XX 28-JUL-1999; 99US-0146222.

XX 17-AUG-1999; 99US-0149396.

XX 15-SEP-1999; 99WO-US21090.

XX 15-SEP-1999; 99WO-US21547.

XX 08-OCT-1999; 99US-0158663.

XX 30-NOV-1999; 99WO-US28313.

XX 01-DEC-1999; 99WO-US28301.

XX 16-DEC-1999; 99WO-US30095.

XX 20-DEC-1999; 99WO-US30911.

XX 05-JAN-2000; 2000WO-US00219.

XX 06-JAN-2000; 2000WO-US00376.

XX 11-FEB-2000; 2000WO-US03565.

XX 18-FEB-2000; 2000WO-US04341.

XX 22-FEB-2000; 2000WO-US04414.

XX 24-FEB-2000; 2000WO-US04914.

XX 24-FEB-2000; 2000WO-US05004.

XX 02-MAR-2000; 2000WO-US05841.

XX 15-MAR-2000; 2000WO-US06884.

XX 20-MAR-2000; 2000WO-US07377.

(GETH ) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;  
 XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;

Novel nucleic acids encoding PRO polypeptides, used to diagnose the  
 presence of tumours, such as prostate and breast tumours, in mammals and  
 to screen for modulators of the compounds -  
 Claim 11; Fig 444; 774pp; English.  
 Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.  
 The PRO polypeptides and their associated nucleic acids can be used to  
 detect the presence of a tumour in a mammal by comparing the level of  
 expression of a PRO polypeptide in a test sample of cells from the animal  
 and a control sample of normal cells, whereby a higher level of  
 expression in the test sample indicates the presence of a tumour in the

(GETH ) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;

Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WPI; 2001-602746/68.

N-PSDB; AAS46146.

PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;  
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;  
 PI Zhang Z;  
 XX  
 DR WPI; 2001-032160/04.  
 DR N-PSDB; AAF44231.  
 XX  
 PT PRO polynucleotides used to produce polypeptides used to target  
 PT bioactive molecules such as toxins, radiolabels or antibodies, to  
 PT specific cells, to cause targeted cell death -  
 XX  
 PS Claim 12; Fig 254; 935pp; English.  
 XX  
 CC The present invention describes human secreted and transmembrane PRO  
 CC proteins. The PRO proteins have cytostatic activity. The PRO proteins  
 CC can be used for targeted delivery of bioactive molecules, such as  
 CC toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide  
 CC sequences, and their fragments, can be used as hybridisation probes, in  
 CC chromosomal and gene mapping, and in the generation of anti-sense RNA  
 CC and DNA. They may also be used to produce transgenic animals which are  
 CC used to develop and screen therapeutically useful reagents. The PRO  
 CC nucleotide and protein sequence can be used for tissue typing and in  
 CC treating cancer. Anti-PRO antibodies can be used in diagnostic assays.  
 CC AAF44270 to AAF44470 represent PCR primers and hybridisation probes used  
 CC in the isolation of human PRO sequences. AAF44087 to AAF44269 and  
 CC AAB65154 to AAB65300 represent human PRO polynucleotide and protein  
 CC sequences given in the exemplification of the present invention.  
 XX  
 SQ Sequence 135 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 9e+02; Indels 0; Gaps 0;  
 Matches 5; Conservative 6; Mismatches 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 28 EEVVPGGGRK 38  
 RESULT 74  
 ABB95507  
 ID ABB95507 standard; Protein; 135 AA.  
 XX  
 AC ABB95507;  
 XX  
 DT 19-JUL-2002 (first entry)  
 XX  
 DE Human angiogenesis related protein PRO1155 SEQ ID NO: 170.  
 XX  
 KW Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;  
 KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;  
 KW cardiant; cytostatic; antiangiogenic; hypotensive; vulnerary;  
 KW antiarteriosclerotic.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200208284-A2.  
 XX  
 PD 31-JAN-2002.  
 XX  
 PF 09-JUL-2001; 2001WO-US21735.  
 XX  
 PR 20-JUL-2000; 2000US-219556P.  
 PR 25-JUL-2000; 2000US-220624P.  
 PR 25-JUL-2000; 2000US-220664P.  
 PR 28-JUL-2000; 2000WO-US20710.  
 PR 02-AUG-2000; 2000US-222695P.  
 PR 17-AUG-2000; 2000US-0643657.  
 PR 23-AUG-2000; 2000WO-US23522.  
 PR 24-AUG-2000; 2000WO-US23328.  
 PR 07-SEP-2000; 2000US-230978P.  
 PR 15-SEP-2000; 2000US-000000P.  
 PR 18-SEP-2000; 2000US-0664610.

PR 18-SEP-2000; 2000US-0665350.  
 PR 24-OCT-2000; 2000US-242922P.  
 PR 08-NOV-2000; 2000US-0709238.  
 PR 08-NOV-2000; 2000WO-US30952.  
 PR 10-NOV-2000; 2000WO-US30873.  
 PR 01-DEC-2000; 2000WO-US32678.  
 PR 20-DEC-2000; 2000US-0747259.  
 PR 20-DEC-2000; 2000WO-US34956.  
 PR 22-JAN-2001; 2001US-0767609.  
 PR 28-FEB-2001; 2001US-0796498.  
 PR 28-FEB-2001; 2001WO-US06520.  
 PR 01-MAR-2001; 2001WO-US06666.  
 PR 09-MAR-2001; 2001US-0802706.  
 PR 14-MAR-2001; 2001US-0808689.  
 PR 22-MAR-2001; 2001US-0816744.  
 PR 05-APR-2001; 2001US-0828366.  
 PR 10-MAY-2001; 2001US-0854208.  
 PR 10-MAY-2001; 2001US-0854280.  
 PR 25-MAY-2001; 2001US-0866028.  
 PR 25-MAY-2001; 2001US-0866034.  
 PR 25-MAY-2001; 2001WO-US17092.  
 PR 30-MAY-2001; 2001US-0870574.  
 PR 30-MAY-2001; 2001WO-US17443.  
 PR 01-JUN-2001; 2001WO-US17800.  
 PR 20-JUN-2001; 2001WO-US19692.  
 PR 28-JUN-2001; 2001WO-US00000.  
 XX

(GETH ) GENENTECH INC.  
 PA (BAKE/) BAKER K P.  
 PA (FERR/) FERRARA N.  
 PA (GERB/) GERBER H.  
 PA (GERR/) GERRITSEN M E.  
 PA (GODO/) GODDARD A.  
 PA (GODO/) GODDARD S A.  
 PA (GODD/) GODDARD P J.  
 PA (GURN/) GURNEY A L.  
 PA (HILL/) HILLAN K J.  
 PA (MARS/) MARSTERS S A.  
 PA (PANJ/) PAN J.  
 PA (PAON/) PAONI N F.  
 PA (STEP/) STEPHAN J F.  
 PA (WATA/) WATANABE C K.  
 PA (WILL/) WILLIAMS P M.  
 PA (WOOD/) WOOD W I.  
 XX

PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;  
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;  
 PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;  
 XX

WPI: 2002-171999/22.  
 N-PSDB; ABL95645.

One hundred and eighty seven nucleic acids encoding PRO polypeptides,  
 useful in diagnosis and treatment of cardiovascular (e.g. myocardial  
 infarction), endothelial or angiogenic disorders in a mammal -

Claim 11; Fig 170; 567pp; English.

The present invention provides the protein and coding sequences of human  
 PRO proteins. These are useful for treating or diagnosing a  
 cardiovascular, endothelial or angiogenic disorder, including cardiac  
 hypertrophy, trauma, cancer, age-related macular degeneration,  
 atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,  
 angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour  
 angiogenesis (such as breast carcinoma and liver carcinoma) and wound  
 healing. The present sequence is a PRO protein of the invention.

Sequence 135 AA;

Query Match 100.0%; Score 31; DB 23; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 9e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EEVVPXXXXX 11

```
Db          28 EEVVPGGGRSK 38
|||||:
RESULT.75
ABB84901
ID ABB84901 standard; Protein; 135 AA.
XX
AC ABB84901;
XX
DT 16-MAY-2002 (first entry)
XX
DE Human PRO1155 protein sequence SEQ ID NO:170.
XX
KW Human; angiogenesis; cardiant; cytostatic; antiangiogenic; hypotensive;
KW vulnary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KW age-related macular degeneration; arterial restenosis; angina;
KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KW lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
KW wound healing; chromosome mapping; gene mapping.
XX
OS Homo sapiens.
XX
PN WO200200690-A2.
XX
PD 03-JAN-2002.
XX
PF 20-JUN-2001; 2001WO-US19692.
XX
PR 23-JUN-2000; 2000US-213637P.
PR 20-JUL-2000; 2000US-219556P.
PR 25-JUL-2000; 2000US-220624P.
PR 25-JUL-2000; 2000US-220664P.
PR 28-JUL-2000; 2000WO-US20710.
PR 02-AUG-2000; 2000US-222695P.
PR 17-AUG-2000; 2000US-0643657.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 07-SEP-2000; 2000US-230978P.
PR 18-SEP-2000; 2000US-0664610.
PR 18-SEP-2000; 2000US-0665350.
PR 24-OCT-2000; 2000US-242922P.
PR 08-NOV-2000; 2000US-0709238.
PR 08-NOV-2000; 2000WO-US30952.
PR 10-NOV-2000; 2000WO-US30873.
PR 01-DEC-2000; 2000WO-US32678.
PR 20-DEC-2000; 2000US-0747259.
PR 20-DEC-2000; 2000WO-US34956.
PR 22-JAN-2001; 2001US-0767609.
PR 28-FEB-2001; 2001US-0796498.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-MAR-2001; 2001WO-US06666.
PR 09-MAR-2001; 2001US-0802706.
PR 14-MAR-2001; 2001US-0808689.
PR 22-MAR-2001; 2001US-0816744.
PR 05-APR-2001; 2001US-0828366.
PR 10-MAY-2001; 2001US-0854208.
PR 10-MAY-2001; 2001US-0854280.
PR 25-MAY-2001; 2001US-0866028.
PR 25-MAY-2001; 2001US-0866034.
PR 25-MAY-2001; 2001WO-US17092.
PR 30-MAY-2001; 2001US-0870574.
PR 30-MAY-2001; 2001WO-US17443.
PR 01-JUN-2001; 2001WO-US17800.
XX
PA (GETH ) GENENTECH INC.
XX
PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX
```

WPI: 2002-090516/12.  
N-PSDB; ABL88156.

One hundred and eighty seven nucleic acids encoding PRO polypeptides, useful in diagnosis and treatment of cardiovascular (e.g. myocardial infarction), endothelial or angiogenic disorders in a mammal -

Claim 11; Fig 170; 565pp; English.

ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic, antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic activities, and can be used in gene therapy. The PRO polynucleotides, proteins, agonists and antagonists are useful for treating or diagnosing a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-related macular degeneration, atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast carcinoma and liver carcinoma) and wound healing. The PRO polynucleotides have applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping. ABL88259 to ABL88267 represent primers and probes used in the exemplification of the present invention.

Sequence 135 AA;

Query Match 100.0%; Score 31; DB 23; Length 135;  
Best Local Similarity 45.5%; Pred. No. 9e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 76  
AAU83645  
ID AAU83645 standard; Protein; 135 AA.  
XX  
AC AAU83645;  
XX  
DT 08-MAY-2002 (first entry)  
XX  
DE Human PRO protein, Seq ID No 108.  
XX  
KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;  
KW breast cancer; prostate tumour; rectal tumour; liver tumour;  
KW pericyte cell proliferation; chondrocyte cell proliferation;  
KW tumour necrosis factor-alpha.  
XX  
OS Homo sapiens.  
XX  
PN WO200208288-A2.  
XX  
PD 31-JAN-2002.  
XX  
PF 29-JUN-2001; 2001WO-US21066.  
XX  
PR 20-JUL-2000; 2000US-219556P.  
PR 25-JUL-2000; 2000US-220585P.  
PR 25-JUL-2000; 2000US-220605P.  
PR 25-JUL-2000; 2000US-220607P.  
PR 25-JUL-2000; 2000US-220624P.  
PR 25-JUL-2000; 2000US-220638P.  
PR 25-JUL-2000; 2000US-220664P.  
PR 25-JUL-2000; 2000US-220666P.  
PR 26-JUL-2000; 2000US-220893P.  
PR 28-JUL-2000; 2000WO-US20710.  
PR 23-AUG-2000; 2000WO-US23522.  
PR 24-AUG-2000; 2000WO-US23328.  
PR 15-SEP-2000; 2000US-000000P.  
PR 10-NOV-2000; 2000WO-US30873.  
PR 28-NOV-2000; 2000US-253646P.





## RESULT 78

ABP02413  
ID ABP02413 standard; Protein; 137 AA.

XX AC ABP02413;

XX DT 24-JUN-2002 (first entry)

XX DE Human ORFX protein sequence SEQ ID NO:4808.  
XX KW Human: open reading frame; ORFX; gene therapy; cancer; cirrhosis;XX KW hyperproliferative disorder; psoriasis; benign tumour; haemorrhage;  
XX KW degenerative disorder; osteoarthritis; neurodegenerative disorder;  
XX KW cardiovascular disease; diabetes mellitus; systemic lupus erythematosus;  
XX KW hypertension; hypothyroidism; cholesterol ester storage disease;  
XX KW immune deficiency; immune disorder; infectious disease;  
XX KW autoimmune disorder; rheumatoid arthritis; autoimmune thyroiditis;  
XX KW myasthenia gravis.

XX OS Homo sapiens.

XX PN WO200192523-A2.

XX PD 06-DEC-2001.

XX PF 29-MAY-2001; 2001WO-US10836.

XX PR 30-MAY-2001; 2000US-206132P.

XX PR 29-AUG-2000; 2000US-228716P.

XX PA (CURA-) CURAGEN CORP.

XX PI Shimkets RA, Leach MD;

XX DR WPI; 2002-106308/14.

XX DR N-PSDB; ABN18165.

XX PT Novel human polypeptides and polynucleotides useful for diagnosing,  
XX PT preventing and treating cardiovascular disease, neurodegenerative,  
XX PT hyperproliferative disorders and autoimmune disorders

XX PS Disclosure; SEQ ID 4808; 1037pp; English.

The present invention describes substantially purified human proteins (referred to as open reading frame, ORFX, where X is 1-11491 (see Table 1 in the specification). ABN15762 to ABN27252 encode the human ORFX proteins given in ABP00010 to ABP11500. ORFX proteins are useful for treating or preventing a pathology associated with an ORFX-associated disorder in humans, and in the manufacture of a medicament for treating a syndrome associated with ORFX-associated disorder. ORFX polynucleotide sequences can be used in gene therapy. ORFX sequences can be used in the treatment of cancer, hyperproliferative disorders, cirrhosis of liver, psoriasis, benign tumours, keloid, degenerative disorders, haemorrhage, osteoarthritis, neurodegenerative disorders, disorders related to organ transplantation, cardiovascular diseases, diabetes mellitus, systemic lupus erythematosus, hypertension, hypothyroidism, cholesterol ester storage disease, various immune deficiencies and disorders, infectious diseases, autoimmune disorders such as multiple sclerosis, rheumatoid arthritis, autoimmune thyroiditis, myasthenia gravis, graft-versus-host disease and autoimmune inflammatory eye disease. ORFX proteins are also useful for treating burns, incisions, ulcers, for treating osteoporosis, bone degenerative disorders, or periodontal disease, and for gut protection or regeneration and treatment of lung or liver fibrosis, reperfusion injury in various tissues and conditions resulting from systemic cytokine damage.

N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.

SQ Sequence 137 AA;

Query Match 100.0%; Score 31; DB 23; Length 137;

Best Local Similarity 45.5%; Pred. No. 9.1e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 121 EEVVPIMELCA 131

## RESULT 79

ABB27744  
ID ABB27744 standard; Peptide; 178 AA.

XX AC ABB27744;

XX DT 01-FEB-2002 (first entry)

XX DE Human peptide #395 encoded by breast cell single exon nucleic acid probe.  
XX KW Human; microarray; single exon probe; gene expression; breast;  
XX KW disease; cancer.

XX OS Homo sapiens.

XX PN WO200157271-A2.

XX PD 09-AUG-2001.

XX PF 30-JAN-2001; 2001WO-US00662.

XX PR 04-FEB-2000; 2000US-0180312.

XX PR 26-MAY-2000; 2000US-0207456.

XX PR 30-JUN-2000; 2000US-0608408.

XX PR 03-AUG-2000; 2000US-0632366.

XX PR 21-SEP-2000; 2000US-0234687.

XX PR 27-SEP-2000; 2000US-0236359.

XX PR 04-OCT-2000; 2000GB-0024263.

XX PA (MOLE-) MOLECULAR DYNAMICS INC.

XX PI Penn SG, Hanzel DK, Chen W, Rank DR;

XX DR WPI; 2001-496933/54.

XX PT New spatially-addressable set of single exon nucleic acid probes,  
XX PT useful for measuring gene expression in sample derived from human  
XX PT breast, comprises number of single exon nucleic acid probes

XX PS Claim 27; SEQ ID NO 10712; 327pp + sequence listing; English.

The invention relates to a spatially-addressable set of single exon nucleic acid probes for measuring gene expression in a sample derived from human breast and BT 474 cells. The method involves contacting the probes with a collection of detectably labelled nucleic acids derived from mRNA of human breast, and then measuring the label bound to each probe of the microarray. The probes are useful for verifying the expression of regions of genomic DNA predicted to encode proteins. They are useful for gene discovery, and for determining predisposition and/or prognosing breast disease. Gene expression analysis is useful for assessing the toxicity of chemical agents on cells. The microarray of this invention presents a far greater diversity of probes for measuring gene expression, with far less bias than expressed sequence tag microarrays. The method is suitable for rapid production of functional information from genomic sequence. The present sequence is a peptide encoded by a single exon nucleic acid probe of the invention.

Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.

SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDSPCLP 100

RESULT 80  
ABB27746  
ID ABB27746 standard; Peptide; 178 AA.  
XX AC ABB27746;  
XX DT 01-FEB-2002 (first entry)  
DE Human peptide #397 encoded by breast cell single exon nucleic acid probe.  
XX KW Human; microarray: single exon probe; gene expression; breast;  
KW disease; cancer.  
XX OS Homo sapiens.  
XX PN WO200157271-A2.  
XX PD 09-AUG-2001.  
XX PF 30-JAN-2001; 2001WO-US00662.  
XX PR 04-FEB-2000; 2000US-0180312.  
XX PR 26-MAY-2000; 2000US-0207456.  
XX PR 30-JUN-2000; 2000US-0608408.  
XX PR 03-AUG-2000; 2000US-0632366.  
XX PR 21-SEP-2000; 2000US-0234687.  
XX PR 27-SEP-2000; 2000US-0236359.  
XX PR 04-OCT-2000; 2000GB-0024263.  
XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
XX DR WPI; 2001-496933/54.  
XX PT New spatially-addressable set of single exon nucleic acid probes,  
XX PT useful for measuring gene expression in sample derived from human  
XX PT breast, comprises number of single exon nucleic acid probes

Claim 27; SEQ ID NO 10714; 327pp + sequence listing; English.  
XX The invention relates to a spatially-addressable set of single exon  
XX nucleic acid probes for measuring gene expression in a sample derived  
XX from human breast and Br 474 cells. The method involves contacting  
XX the probes with a collection of detectably labelled nucleic acids  
XX derived from mRNA of human breast, and then measuring the label  
XX bound to each probe of the microarray. The probes are useful for  
XX verifying the expression of regions of genomic DNA predicted to  
XX encode proteins. They are useful for gene discovery, and for  
XX determining predisposition and/or prognosing breast disease. Gene  
XX expression analysis is useful for assessing the toxicity of chemical  
XX agents on cells. The microarray of this invention presents a far greater  
XX diversity of probes for measuring gene expression, with far less bias  
XX than expressed sequence tag microarrays. The method is suitable for  
XX rapid production of functional information from genomic sequence. The  
XX present sequence is a peptide encoded by a single exon nucleic acid  
XX probe of the invention.  
XX Note: The sequence data for this patent did not form part of the  
XX printed specification, but was obtained in electronic format directly  
XX from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDSPCLP 100

RESULT 80  
ABB27746  
ID ABB27746 standard; Peptide; 178 AA.  
XX AC ABB27746;  
XX DT 01-FEB-2002 (first entry)  
DE Human peptide #397 encoded by breast cell single exon nucleic acid probe.  
XX KW Human; microarray: single exon probe; gene expression; breast;  
KW disease; cancer.  
XX OS Homo sapiens.  
XX PN WO200157271-A2.  
XX PD 09-AUG-2001.  
XX PF 30-JAN-2001; 2001WO-US00662.  
XX PR 04-FEB-2000; 2000US-0180312.  
XX PR 26-MAY-2000; 2000US-0207456.  
XX PR 30-JUN-2000; 2000US-0608408.  
XX PR 03-AUG-2000; 2000US-0632366.  
XX PR 21-SEP-2000; 2000US-0234687.  
XX PR 27-SEP-2000; 2000US-0236359.  
XX PR 04-OCT-2000; 2000GB-0024263.  
XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
XX DR WPI; 2001-496933/54.  
XX PT New spatially-addressable set of single exon nucleic acid probes,  
XX PT useful for measuring gene expression in sample derived from human  
XX PT breast, comprises number of single exon nucleic acid probes

Claim 27; SEQ ID NO 10714; 327pp + sequence listing; English.  
XX The invention relates to a spatially-addressable set of single exon  
XX nucleic acid probes for measuring gene expression in a sample derived  
XX from human breast and Br 474 cells. The method involves contacting  
XX the probes with a collection of detectably labelled nucleic acids  
XX derived from mRNA of human breast, and then measuring the label  
XX bound to each probe of the microarray. The probes are useful for  
XX verifying the expression of regions of genomic DNA predicted to  
XX encode proteins. They are useful for gene discovery, and for  
XX determining predisposition and/or prognosing breast disease. Gene  
XX expression analysis is useful for assessing the toxicity of chemical  
XX agents on cells. The microarray of this invention presents a far greater  
XX diversity of probes for measuring gene expression, with far less bias  
XX than expressed sequence tag microarrays. The method is suitable for  
XX rapid production of functional information from genomic sequence. The  
XX present sequence is a peptide encoded by a single exon nucleic acid  
XX probe of the invention.  
XX Note: The sequence data for this patent did not form part of the  
XX printed specification, but was obtained in electronic format directly  
XX from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDSPCLP 100

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDSPCLP 100

RESULT 81  
ABB32915  
ID ABB32915 standard; Peptide; 178 AA.  
XX AC ABB32915;  
XX DT 04-FEB-2002 (first entry)  
DE Peptide #421 encoded by human foetal liver single exon probe.  
XX KW Human; foetal liver; gene expression; single exon nucleic acid probe.  
KW Human; foetal liver; gene expression; single exon nucleic acid probe.  
XX OS Homo sapiens.  
XX PN WO200157277-A2.  
XX PD 09-AUG-2001.  
XX PF 30-JAN-2001; 2001WO-US00669.  
XX PR 04-FEB-2000; 2000US-0180312.  
XX PR 26-MAY-2000; 2000US-0207456.  
XX PR 30-JUN-2000; 2000US-0608408.  
XX PR 03-AUG-2000; 2000US-0632366.  
XX PR 21-SEP-2000; 2000US-0234687.  
XX PR 27-SEP-2000; 2000US-0236359.  
XX PR 04-OCT-2000; 2000GB-0024263.  
XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
XX DR WPI; 2001-483447/52.  
XX PT Human genome-derived single exon nucleic acid probes useful for  
XX PT analyzing gene expression in human fetal liver -

Claim 27; SEQ ID NO 25550; 639pp + sequence listing; English.  
XX The invention relates to a single exon nucleic acid probe for  
XX measuring human gene expression in a sample derived from human foetal  
XX liver. The single exon nucleic acid probes may be used for predicting,  
XX measuring and displaying gene expression in samples derived from human  
XX foetal liver. The present sequence is a peptide encoded by a single exon  
XX nucleic acid probe of the invention.  
XX Note: The sequence data for this patent did not form part of the  
XX printed specification, but was obtained in electronic format directly  
XX from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|||||  
Db 90 EEVVPDSPCLP 100

RESULT 82  
ABB32917  
ID ABB32917 standard; Peptide; 178 AA.  
XX AC ABB32917;  
XX DT 04-FEB-2002 (first entry)

XX DE Peptide #423 encoded by human foetal liver single exon probe.  
 XX KW Human; foetal liver; gene expression; single exon nucleic acid probe.  
 XX OS Homo sapiens.  
 XX PN WO200157277-A2.  
 XX PD 09-AUG-2001.  
 XX PF 30-JAN-2001; 2001WO-US006569.  
 XX PR 04-FEB-2000; 2000US-0180312.  
 XX PR 26-MAY-2000; 2000US-0207456.  
 XX PR 30-JUN-2000; 2000US-0608408.  
 XX PR 03-AUG-2000; 2000US-0632366.  
 XX PR 21-SEP-2000; 2000US-0234687.  
 XX PR 27-SEP-2000; 2000US-0236359.  
 XX PR 04-OCT-2000; 2000GB-0024263.  
 XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
 XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX PT WPI; 2001-483447/52.  
 XX DR Human genome-derived single exon nucleic acid probes useful for  
 XX PT analyzing gene expression in human fetal liver -  
 XX PT Claim 27; SEQ ID NO 25552; 639pp + sequence listing; English.  
 XX PS The invention relates to a single exon nucleic acid probe for  
 XX CC measuring human gene expression in a sample derived from human foetal  
 XX CC liver. The single exon nucleic acid probes may be used for predicting,  
 XX CC measuring and displaying gene expression in samples derived from human  
 XX CC fetal liver. The present sequence is a peptide encoded by a single exon  
 XX CC nucleic acid probe of the invention.  
 XX CC Note: The sequence data for this patent did not form part of the  
 XX CC printed specification, but was obtained in electronic format directly  
 XX CC from WIPO at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 178 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 90 EEVVPDSPCLP 100  
 RESULT 83  
 ABB18396  
 ID ABB18396 standard; Protein; 178 AA.  
 XX AC ABB18396;  
 XX DT 23-JAN-2002 (first entry)  
 XX DE Protein #395 encoded by probe for measuring heart cell gene expression.  
 XX KW Human; gene expression; heart; microarray; vascular system;  
 XX KW cardiovascular disease; hypertension; cardiac arrhythmia;  
 XX KW congenital heart disease.  
 XX OS Homo sapiens.  
 XX PN WO200157274-A2.  
 XX XX 09-AUG-2001.  
 XX PD

PF 30-JAN-2001; 2001WO-US00666.  
 XX 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX PA (MOLE-) MOLECULAR DYNAMICS INC.  
 XX PI Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX PT WPI; 2001-488999/53.  
 XX DR Single exon nucleic acid probes for analyzing gene expression in human  
 XX PT hearts -  
 XX PT Claim 15; SEQ ID NO 20166; 530pp; English.  
 XX PS The present invention relates to single exon nucleic acid probes for  
 XX CC measuring human gene expression in a sample derived from human heart (see  
 XX CC ABA21535-ABA41305). The present sequence is a protein encoded by one such  
 XX CC probe. The probes may be used for predicting, measuring and displaying  
 XX CC gene expression in samples derived from the human heart via microarrays.  
 XX CC By measuring gene expression, the probes are useful for predicting,  
 XX CC diagnosing, grading, staging, monitoring and prognosing diseases of the  
 XX CC human heart and vascular system e.g. cardiovascular disease,  
 XX CC hypertension, cardiac arrhythmias and congenital heart disease.  
 XX CC Note: The sequence data for this patent did not form part of the printed  
 XX CC specification, but was obtained in electronic format directly from WIPO  
 XX CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX SQ Sequence 178 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 90 EEVVPDSPCLP 100  
 RESULT 84  
 AAM53718  
 ID AAM53718 standard; Protein; 178 AA.  
 XX AC AAM53718;  
 XX DT 05-NOV-2001 (first entry)  
 XX DE Human brain expressed single exon probe encoded protein SEQ ID NO: 25823.  
 XX KW Human; brain expressed exon; gene expression analysis; probe;  
 XX KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;  
 XX KW epilepsy; cancer.  
 XX OS Homo sapiens.  
 XX PN WO200157275-A2.  
 XX PD 09-AUG-2001.  
 XX XX 30-JAN-2001; 2001WO-US00667.  
 XX PR 04-FEB-2000; 2000US-0180312.  
 XX PR 26-MAY-2000; 2000US-0207456.  
 XX PR 30-JUN-2000; 2000US-0608408.  
 XX PR 03-AUG-2000; 2000US-0632366.  
 XX PR 21-SEP-2000; 2000US-0234687.  
 XX PR 27-SEP-2000; 2000US-0236359.

PR 04-OCT-2000; 2000GB-0024263.  
 PA (MOLE-) MOLECULAR DYNAMICS INC.  
 PI Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX WPI; 2001-483446/52.  
 DR  
 XX Single exon nucleic acid probes for analyzing gene expression in human  
 PT brains -  
 XX  
 PS Example 4; SEQ ID NO: 25823; 650pp + Sequence Listing; English.  
 CC The present invention provides a number of single exon nucleic acid  
 CC probes which are derived from genomic sequences expressed in the human  
 CC brain. They can be used to measure gene expression in brain cell samples,  
 CC which may enable the diagnosis and improved treatment of nervous system  
 CC diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,  
 CC epilepsy and cancers. The present sequence is a protein encoded by one of  
 CC the probes of the invention.  
 XX  
 SQ Sequence 178 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. NO. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVWPXXXXX 11  
 DB 90 EEVWPDSPCLP 100  
 |||||:||||:  
 RESULT 85  
 AAM66101  
 ID AAM66101 standard; Protein; 178 AA.  
 AC AAM66101;  
 DT 06-NOV-2001 (first entry)  
 DE Human bone marrow expressed probe encoded protein SEQ ID NO: 26407.  
 XX Human; bone marrow expressed exon; gene expression analysis; probe;  
 KW microarray; cancer; leukaemia; lymphoma; myeloma.  
 XX Homo sapiens.  
 OS WO200157276-A2.  
 PN 09-AUG-2001.  
 PD 30-JAN-2001; 2001WO-US00668.  
 PF 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX (MOLE-) MOLECULAR DYNAMICS INC.  
 XX Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX WPI; 2001-488900/53.  
 XX Human genome-derived single exon nucleic acid probes useful for  
 PT analyzing gene expression in human bone marrow -  
 XX  
 PS Example 4; SEQ ID NO: 26407; 658pp + Sequence Listing; English.  
 XX The present invention provides a number of single exon nucleic acid

CC probes which are derived from genomic sequences expressed in the human  
 CC bone marrow. They can be used to measure gene expression in bone marrow  
 CC samples, which may enable the improved diagnosis and treatment of cancers  
 CC such as lymphoma, leukaemia and myeloma. The present sequence is a  
 CC protein encoded by one of the probes of the invention.  
 XX

SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. NO. 1.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVWPXXXXX 11  
 DB 90 EEVWPDSPCLP 100  
 |||||:||||:  
 RESULT 86  
 AAM13970  
 ID AAM13970 standard; Protein; 178 AA.  
 AC AAM13970;  
 DT 12-OCT-2001 (first entry)  
 DE Peptide #404 encoded by probe for measuring cervical gene expression.  
 XX Probe: human; microarray; gene expression; cervical epithelial cell;  
 KW cervical cancer.  
 XX Homo sapiens.  
 OS WO200157278-A2.  
 PN 09-AUG-2001.  
 PD 30-JAN-2001; 2001WO-US00670.  
 PF 04-FEB-2000; 2000US-0180312.  
 PR 26-MAY-2000; 2000US-0207456.  
 PR 30-JUN-2000; 2000US-0608408.  
 PR 03-AUG-2000; 2000US-0632366.  
 PR 21-SEP-2000; 2000US-0234687.  
 PR 27-SEP-2000; 2000US-0236359.  
 PR 04-OCT-2000; 2000GB-0024263.  
 XX (MOLE-) MOLECULAR DYNAMICS INC.  
 XX Penn SG, Hanzel DK, Chen W, Rank DR;  
 XX WPI; 2001-488901/53.  
 XX Human genome-derived single exon nucleic acid probes useful for  
 PT analyzing gene expression in human cervical epithelial cells -  
 XX  
 PS Claim 27; SEQ ID No 18796; 487pp; English.  
 XX The present invention relates to human single exon nucleic acid probes  
 CC (SENPs: see AAI10068-AA128459). The present sequence is a peptide encoded  
 CC by one such probe. The SENPs are derived from human HeLa cells. The SENPs  
 CC can be used to produce a single exon microarray, which can be used for  
 CC measuring human gene expression in a sample derived from human cervical  
 CC epithelial cells. By measuring gene expression, the probes are therefore  
 CC useful in grading and/or staging of diseases of the cervix, notably  
 CC cervical cancer.  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 178 AA;

Query Match 100.0%; Score 31; DB 22; Length 178;  
 Best Local Similarity 45.5%; Pred. NO. 1.2e+03;

```
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
   |||||:
Db 90 EEVVPDSPCLP 100

RESULT 87
AAM13972
ID AAM13972 standard; Protein; 178 AA.
XX
AC AAM13972;
XX
DT 12-OCT-2001 (first entry)
XX
DE Peptide #406 encoded by probe for measuring cervical gene expression.
XX
KW Probe; human; microarray; gene expression; cervical epithelial cell;
KW cervical cancer.
XX
OS Homo sapiens.
XX
PN WO200157278-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00670.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX WPI; 2001-488901/53.
XX
DR Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human cervical epithelial cells -
XX
PS Claim 27; SEQ ID No 18798; 487pp; English.
XX
XX The present invention relates to human single exon nucleic acid probes
CC (SENPs: see AAI10068-AAI28459). The present sequence is a peptide encoded
CC by one such probe. The SENPs are derived from human Hela cells. The SENPs
CC can be used to produce a single exon microarray, which can be used for
CC measuring human gene expression in a sample derived from human cervical
CC epithelial cells. By measuring gene expression, the probes are therefore
CC useful in grading and/or staging of diseases of the cervix, notably
CC cervical cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 178 AA;
   Query Match 100.0%; Score 31; DB 22; Length 178;
   Best Local Similarity 45.5%; Pred. NO. 1.2e+03;
   Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
   |||||:
Db 90 EEVVPDSPCLP 100

RESULT 88
AAM26376
ID AAM26376 standard; Protein; 178 AA.
XX
AC AAM26376;
XX
DT 17-OCT-2001 (first entry)
XX
DE Peptide #415 encoded by probe for measuring placental gene expression.
XX
KW Probe; microarray; human; placenta; antenatal diagnosis;
KW genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200157272-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00663.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX WPI; 2001-488901/53.
XX
DR Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human placenta -
XX
PS Claim 27; SEQ ID No 26645; 654pp; English.
XX
XX The present invention relates to single exon nucleic acid probes (SENPs:
CC see AAI31315-AAI57546). The present sequence is a peptide encoded by one
CC such probe. The probes are useful for producing a microarray for
CC predicting, measuring and displaying gene expression in samples derived
CC from human placenta. The probes are useful for antenatal diagnosis of
CC human genetic disorders.
XX
SQ Sequence 178 AA;
   Query Match 100.0%; Score 31; DB 22; Length 178;
   Best Local Similarity 45.5%; Pred. NO. 1.2e+03;
   Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
   |||||:
Db 90 EEVVPDSPCLP 100

RESULT 89
AAM26378
ID AAM26378 standard; Protein; 178 AA.
XX
AC AAM26378;
XX
DT 17-OCT-2001 (first entry)
XX
DE Peptide #415 encoded by probe for measuring placental gene expression.
XX
KW Probe; microarray; human; placenta; antenatal diagnosis;
KW genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200157272-A2.
XX
PD 09-AUG-2001.
```

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XX
AC AAM26376;
XX
DT 17-OCT-2001 (first entry)
XX
DE Peptide #413 encoded by probe for measuring placental gene expression.
XX
KW Probe; microarray; human; placenta; antenatal diagnosis;
KW genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200157272-A2.
XX
PD 09-AUG-2001.
XX
PF 30-JAN-2001; 2001WO-US00663.
XX
PR 04-FEB-2000; 2000US-0180312.
PR 26-MAY-2000; 2000US-0207456.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-0234687.
PR 27-SEP-2000; 2000US-0236359.
PR 04-OCT-2000; 2000GB-0024263.
XX
PA (MOLE-) MOLECULAR DYNAMICS INC.
XX
PI Penn SG, Hanzel DK, Chen W, Rank DR;
XX
XX WPI; 2001-488901/53.
XX
DR Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human placenta -
XX
PS Claim 27; SEQ ID No 26645; 654pp; English.
XX
XX The present invention relates to single exon nucleic acid probes (SENPs:
CC see AAI31315-AAI57546). The present sequence is a peptide encoded by one
CC such probe. The probes are useful for producing a microarray for
CC predicting, measuring and displaying gene expression in samples derived
CC from human placenta. The probes are useful for antenatal diagnosis of
CC human genetic disorders.
XX
SQ Sequence 178 AA;
   Query Match 100.0%; Score 31; DB 22; Length 178;
   Best Local Similarity 45.5%; Pred. NO. 1.2e+03;
   Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
   |||||:
Db 90 EEVVPDSPCLP 100

RESULT 89
AAM26378
ID AAM26378 standard; Protein; 178 AA.
XX
AC AAM26378;
XX
DT 17-OCT-2001 (first entry)
XX
DE Peptide #415 encoded by probe for measuring placental gene expression.
XX
KW Probe; microarray; human; placenta; antenatal diagnosis;
KW genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200157272-A2.
XX
PD 09-AUG-2001.
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XX 30-JAN-2001; 2001WO-US00663.
PF PR
XX 04-FEB-2000; 2000US-0180312.
PR PR
XX 26-MAY-2000; 2000US-0207456.
PR PR
XX 30-JUN-2000; 2000US-0608408.
PR PR
XX 03-AUG-2000; 2000US-0632366.
PR PR
XX 21-SEP-2000; 2000US-0233487.
PR PR
XX 27-SEP-2000; 2000US-0236359.
PR PR
XX 04-OCT-2000; 2000GB-0024263.
XX PA
XX (MOLE-) MOLECULAR DYNAMICS INC.
XX PI
XX Penn SG, Hanzel DK, Chen W, Rank DR;
XX WPI; 2001-488997/53.
XX Human genome-derived single exon nucleic acid probes useful for
PT analyzing gene expression in human placenta
XX
XX Claim 27; SEQ ID No 26647; 654pp; English.
XX The present invention relates to single exon nucleic acid probes (SENP;
CC see AA1315-AA15746). The present sequence is a peptide encoded by one
CC such probe. The probes are useful for producing a microarray for
CC predicting, measuring and displaying gene expression in samples derived
CC from human placenta. The probes are useful for antenatal diagnosis of
CC human genetic disorders.
XX
XX Sequence 178 AA;
Query Match 100.0%; Score 31; DB 22; Length 178;
Best Local Similarity 45.5%; Pred. No. 1.2e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 90 EEVVPDPCPLP 100
|||||:|||||
RESULT 90
ABG35749
ID ABG35749 standard; Peptide; 178 AA.
XX AC ABG35749;
XX DT
XX 19-AUG-2002 (first entry)
XX Human peptide encoded by genome-derived single exon probe SEQ ID 25414.
XX Human; single exon probe; asthma; lung cancer; COPD; ILD;
KW chronic obstructive pulmonary disease; interstitial lung disease;
KW familial idiopathic pulmonary fibrosis; neurofibromatosis;
KW tuberous sclerosis; Gaucher's disease; Niemann-Pick disease;
KW Hermansky-Pudlak syndrome; sarcoidosis; Niemann-Pick disease;
KW pulmonary histiocytosis; lymphangioleiomyomatosis; pulmonary haemosiderosis;
KW pulmonary alveolar proteinosis; fibrocystic pulmonary dysplasia;
KW primary ciliary dyskinesia; pulmonary hypertension;
KW hyaline membrane disease.
XX OS
XX Homo sapiens.
XX WO200186003-A2.
XX 15-NOV-2001.
XX 30-JAN-2001; 2001WO-US00665.
XX 04-FEB-2000; 2000US-180312P.
PR 26-MAY-2000; 2000US-207456P.
PR 30-JUN-2000; 2000US-0608408.
PR 03-AUG-2000; 2000US-0632366.
PR 21-SEP-2000; 2000US-234687P.
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PR 27-SEP-2000; 2000US-236359P.
PR 04-OCT-2000; 2000GB-0024263.
XX (MOLE-) MOLECULAR DYNAMICS INC.
XX PI
XX Penn SG, Hanzel DK, Chen W, Rank DR;
XX WPI; 2002-114183/15.
XX Spatially-addressable set of single exon nucleic acid probes, used to
PT measure gene expression in human lung samples -
XX
XX Claim 27; SEQ ID No 25414; 634pp; English.
XX The invention relates to a spatially-addressable set of single exon
XX nucleic acid probes for measuring gene expression in a sample derived
XX from human lung comprising single exon nucleic acid probes having one of
XX 12614 nucleic acid sequences mentioned in the specification, or their
XX complements or the 12387 open reading frames derived from the 12614
XX probes. Also included are a microarray comprising the novel set of
XX probes; the novel set of probes which hybridize at high stringency to a
XX nucleic acid expressed in the human lung; measuring gene expression in a
XX sample derived from human lung, comprising (a) contacting the array with
XX a collection of detectably labeled nucleic acids derived from human lung
XX mRNA, and (b) measuring the label detectably bound to each probe of
XX the array; identifying exons in a eukaryotic genome, comprising
XX (a) algorithmically predicting at least one exon from genomic sequences
XX of the eukaryote; and (b) detecting specific hybridisation of detectably
XX labeled nucleic acids from eukaryote lung mRNA, to a single exon probe,
XX having a fragment identical to the predicted exon, the probe is included
XX in the above mentioned microarray; assigning exons to a single gene,
XX comprising (a) identifying exons from genomic sequence by the method
XX above and (b) measuring the expression of each of the exons in several
XX tissues and/or cell types using hybridisation to a single exon
XX microarrays having a probe with the exon, where a common pattern of
XX expression of the exons in the tissues and/or cell types indicates that
XX the exons should be assigned to a single gene; a peptide comprising one
XX of 12011 sequences, mentioned in the specification, or encoded by the
XX expression analysis, and for identifying exons in a gene, particularly
XX using human lung derived mRNA and for the study of lung diseases
XX such as asthma, lung cancer, chronic obstructive pulmonary disease
XX (COPD), interstitial lung disease (ILD), familial idiopathic pulmonary
XX fibrosis, neurofibromatosis, tuberous sclerosis, Gaucher's disease,
XX Niemann-Pick disease, Hermansky-Pudlak syndrome, sarcoidosis, pulmonary
XX haemosiderosis, pulmonary histiocytosis, lymphangioleiomyomatosis,
XX pulmonary alveolar proteinosis, Karagener syndrome, fibrocystic
XX pulmonary dysplasia, primary ciliary dyskinesia, pulmonary hypertension
XX and hyaline membrane disease. The present sequence is a peptide/protein
XX encoded by a single exon probe of the invention.
XX Note: The sequence data for this patent did not form part
XX of the printed specification, but was obtained in electronic
XX format directly from WIPO at
XX ftp.wipo.int/pub/published_pct_sequences.
XX
XX Sequence 178 AA;
Query Match 100.0%; Score 31; DB 23; Length 178;
Best Local Similarity 45.5%; Pred. No. 1.2e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 90 EEVVPDPCPLP 100
|||||:|||||
RESULT 91
ABG35751
ID ABG35751 standard; Peptide; 178 AA.
XX AC ABG35751;
XX DT
XX 19-AUG-2002 (first entry)
```

XX Human peptide encoded by genome-derived single exon probe SEQ ID 25416.  
DE Human; single exon probe; asthma; lung cancer; COPD; ILD;  
KW chronic obstructive pulmonary disease; interstitial lung disease;  
KW familial idiopathic pulmonary fibrosis; neurofibromatosis;  
KW tuberous sclerosis; Gaucher's disease; Niemann-Pick disease;  
KW Hermansky-Pudlak syndrome; sarcoidosis; pulmonary haemosiderosis;  
KW pulmonary histiocytosis; lymphangioleiomyomatosis; Karagener syndrome;  
KW pulmonary alveolar proteinosis; fibrocystic pulmonary dysplasia;  
KW primary ciliary dyskinesia; pulmonary hypertension;  
KW hyaline membrane disease.  
XX Homo sapiens.  
XX WO200186003-A2.  
XX 15-NOV-2001.  
XX 30-JAN-2001; 2001WO-US00665.  
XX 04-FEB-2000; 2000US-180312P.  
XX 26-MAY-2000; 2000US-207456P.  
XX 30-JUN-2000; 2000US-0608408.  
XX 03-AUG-2000; 2000US-0632366.  
XX 21-SEP-2000; 2000US-234687P.  
XX 27-SEP-2000; 2000US-236359P.  
XX 04-OCT-2000; 2000GB-0024263.  
XX (MOLE-) MOLECULAR DYNAMICS INC.  
XX Penn SG, Hanzel DK, Chen W, Rank DR;  
PI WPI; 2002-114183/15.  
XX Spatially-addressable set of single exon nucleic acid probes, used to  
PT measure gene expression in human lung samples -  
XX Claim 27; SEQ ID No 25416; 634pp; English.  
XX The invention relates to a spatially-addressable set of single exon  
CC nucleic acid probes for measuring gene expression in a sample derived  
CC from human lung comprising single-exon nucleic acid probes having one of  
CC 12614 nucleic acid sequences mentioned in the specification, or their  
CC complements or the 12387 open reading frames derived from the 12614  
CC probes. Also included are a microarray comprising the novel set of  
CC probes; the novel set of probes which hybridise at high stringency to a  
CC nucleic acid expressed in the human lung; measuring gene expression in a  
CC sample derived from human lung, comprising (a) contacting the array with  
CC a collection of detectably labeled nucleic acids derived from human lung  
CC mRNA, and (b) measuring the label detectably bound to each probe of  
CC the array; identifying exons in a eukaryotic genome, comprising  
CC (a) algorithmically predicting at least one exon from genomic sequences  
CC of the eukaryote; and (b) detecting specific hybridisation of detectably  
CC labeled nucleic acids from eukaryote lung mRNA, to a single exon probe,  
CC having a fragment identical to the predicted exon, the probe is included  
CC in the above mentioned microarray; assigning exons to a single gene,  
CC comprising (a) identifying exons from genomic sequence by the method  
CC above and (b) measuring the expression of each of the exons in several  
CC tissues and/or cell types using hybridisation to a single exon  
CC microarrays having a probe with the exon, where a common pattern of  
CC expression of the exons in the tissues and/or cell types indicates that  
CC the exons should be assigned to a single gene; a peptide comprising one  
CC of 12011 sequences, mentioned in the specification, or encoded by the  
CC probes/open reading frames (ORF). The probes are used for gene  
CC expression analysis, and for identifying exons in a gene, particularly  
CC using human lung derived mRNA and for the study of lung diseases  
CC such as asthma, lung cancer, chronic obstructive pulmonary disease  
CC (COPD), interstitial lung disease (ILD), familial idiopathic pulmonary  
CC fibrosis, neurofibromatosis, tuberous sclerosis, Gaucher's disease,  
CC Niemann-Pick disease, Hermansky-Pudlak syndrome, sarcoidosis, pulmonary  
CC haemosiderosis, pulmonary histiocytosis, lymphangioleiomyomatosis,  
CC pulmonary alveolar proteinosis, Karagener syndrome, fibrocystic

CC pulmonary dysplasia, primary ciliary dyskinesia, pulmonary hypertension  
CC and hyaline membrane disease. The present sequence is a peptide/protein  
CC encoded by a single exon probe of the invention.  
CC Note: The sequence data for this patent did not form part  
CC of the printed specification, but was obtained in electronic  
CC format directly from WIPO at  
CC ftp.wipo.int/pub/published\_pct\_sequences.  
XX SQ Sequence 178 AA;  
Query Match 100.0%; Score 31; DB 23; Length 178;  
Best Local Similarity 45.5%; Pred. NO. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEWVXXXXXXXX 11  
DB 90 EEWVDSPLCLP 100  
RESULT 92  
ABG29466  
ID ABG29466 standard; Protein; 181 AA.  
XX AC ABG29466;  
XX DT 18-FEB-2002 (first entry)  
XX DE Novel human diagnostic protein #29457.  
XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.  
XX OS Homo sapiens.  
XX PN WO200175067-A2.  
XX PD 11-OCT-2001.  
XX PF 30-MAR-2001; 2001WO-US08631.  
XX PR 31-MAR-2000; 2000US-0540217.  
XX PR 23-AUG-2000; 2000US-0649167.  
XX PA (HYSE-) HYSEQ INC.  
XX PI Drmanac RT, Liu C, Tang YT;  
XX WPI: 2001-639362/73.  
XX N-PSDB; AAS93653.  
XX New isolated polynucleotide and encoded polypeptides, useful in  
XX diagnostics, forensics, gene mapping, identification of mutations  
XX responsible for genetic disorders or other traits and to assess  
XX biodiversity -  
XX Claim 20; SEQ ID No 59825; 103pp; English.  
XX The invention relates to isolated polynucleotide (I) and  
XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
XX and gene mapping, and in recombinant production of (II). The  
XX polynucleotides are also used in diagnostics as expressed sequence tags  
XX for identifying expressed genes. (I) is useful in gene therapy techniques  
XX to restore normal activity of (II) or to treat disease states involving  
XX (II). (II) is useful for generating antibodies against it, detecting or  
XX quantitating a polypeptide in tissue, as molecular weight markers and as  
XX a food supplement. (II) and its binding partners are useful in medical  
XX imaging of sites expressing (II). (I) and (II) are useful for treating  
XX disorders involving aberrant protein expression or biological activity.  
XX The polypeptide and polynucleotide sequences have applications in  
XX diagnostics, forensics, gene mapping, identification of mutations  
XX responsible for genetic disorders or other traits to assess biodiversity  
XX and to produce other types of data and products dependent on DNA and

CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.

XX Sequence 181 AA;

Query Match 100.0%; Score 31; DB 22; Length 181;  
Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEEVPPXXXXX 11  
DQ 152 EEEVPPRHQHA 162

RESULT 93

AAG50789  
ID AAG50789 standard; Protein; 201 AA.

XX AC AAG50789;

XX DT 18-OCT-2000. (first entry)

XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 64399.

XX KW Protein identification; signal transduction pathway; metabolic pathway;  
XX KW hybridisation assay; genetic mapping; gene expression control; promoter;  
XX KW termination sequence.

XX OS Arabidopsis thaliana.

XX PN EP1033405-A2.

XX PD 06-SEP-2000.

XX PF 25-FEB-2000; 2000EP-0301439.

XX PR 25-FEB-1999; 99US-0121825.

XX PR 05-MAR-1999; 99US-0123180.

XX PR 09-MAR-1999; 99US-0123548.

XX PR 23-MAR-1999; 99US-0125788.

XX PR 25-MAR-1999; 99US-0126264.

XX PR 29-MAR-1999; 99US-0126785.

XX PR 01-APR-1999; 99US-0127462.

XX PR 06-APR-1999; 99US-0128234.

XX PR 08-APR-1999; 99US-0128714.

XX PR 16-APR-1999; 99US-0129845.

XX PR 19-APR-1999; 99US-0130077.

XX PR 21-APR-1999; 99US-0130449.

XX PR 23-APR-1999; 99US-0130510.

XX PR 28-APR-1999; 99US-0130891.

XX PR 30-APR-1999; 99US-0131449.

XX PR 30-APR-1999; 99US-0132048.

XX PR 04-MAY-1999; 99US-0132407.

XX PR 05-MAY-1999; 99US-0132484.

XX PR 06-MAY-1999; 99US-0132485.

XX PR 07-MAY-1999; 99US-0132487.

XX PR 11-MAY-1999; 99US-0132863.

XX PR 14-MAY-1999; 99US-0134256.

PR 28-MAY-1999; 99US-0136782.  
PR 01-JUN-1999; 99US-0137222.  
PR 03-JUN-1999; 99US-0137528.  
PR 04-JUN-1999; 99US-0137502.  
PR 07-JUN-1999; 99US-0137724.  
PR 08-JUN-1999; 99US-0138094.  
PR 10-JUN-1999; 99US-0138540.  
PR 10-JUN-1999; 99US-0138847.  
PR 14-JUN-1999; 99US-0139119.  
PR 16-JUN-1999; 99US-0139452.  
PR 16-JUN-1999; 99US-0139453.  
PR 17-JUN-1999; 99US-0139452.  
PR 18-JUN-1999; 99US-0139454.  
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PR 18-JUN-1999; 99US-0139456.  
PR 18-JUN-1999; 99US-0139457.  
PR 18-JUN-1999; 99US-0139458.  
PR 18-JUN-1999; 99US-0139459.  
PR 18-JUN-1999; 99US-0139460.  
PR 18-JUN-1999; 99US-0139461.  
PR 18-JUN-1999; 99US-0139462.  
PR 18-JUN-1999; 99US-0139463.  
PR 18-JUN-1999; 99US-0139750.  
PR 18-JUN-1999; 99US-0139763.  
PR 21-JUN-1999; 99US-0139817.  
PR 22-JUN-1999; 99US-0139899.  
PR 23-JUN-1999; 99US-0140353.  
PR 23-JUN-1999; 99US-0140354.  
PR 24-JUN-1999; 99US-0140695.  
PR 28-JUN-1999; 99US-0140823.  
PR 29-JUN-1999; 99US-0140991.  
PR 30-JUN-1999; 99US-0141287.  
PR 01-JUL-1999; 99US-0141842.  
PR 01-JUL-1999; 99US-0142154.  
PR 02-JUL-1999; 99US-0142055.  
PR 06-JUL-1999; 99US-0142390.  
PR 08-JUL-1999; 99US-0142803.  
PR 09-JUL-1999; 99US-0142920.  
PR 12-JUL-1999; 99US-0142977.  
PR 13-JUL-1999; 99US-0143542.  
PR 14-JUL-1999; 99US-0143624.  
PR 15-JUL-1999; 99US-0144005.  
PR 16-JUL-1999; 99US-0144085.  
PR 16-JUL-1999; 99US-0144086.  
PR 19-JUL-1999; 99US-0144325.  
PR 19-JUL-1999; 99US-0144331.  
PR 19-JUL-1999; 99US-0144332.  
PR 19-JUL-1999; 99US-0144333.  
PR 19-JUL-1999; 99US-0144334.  
PR 19-JUL-1999; 99US-0144335.  
PR 20-JUL-1999; 99US-0144352.  
PR 20-JUL-1999; 99US-0144632.  
PR 20-JUL-1999; 99US-0144884.  
PR 21-JUL-1999; 99US-0144814.  
PR 21-JUL-1999; 99US-0145086.  
PR 21-JUL-1999; 99US-0145088.  
PR 22-JUL-1999; 99US-0145085.  
PR 22-JUL-1999; 99US-0145087.  
PR 22-JUL-1999; 99US-0145089.  
PR 22-JUL-1999; 99US-0145192.  
PR 23-JUL-1999; 99US-0145145.  
PR 23-JUL-1999; 99US-0145218.  
PR 23-JUL-1999; 99US-0145224.  
PR 26-JUL-1999; 99US-0145276.  
PR 27-JUL-1999; 99US-0145913.  
PR 27-JUL-1999; 99US-0145918.  
PR 28-JUL-1999; 99US-0145919.  
PR 28-AUG-1999; 99US-0145951.  
PR 02-AUG-1999; 99US-0146386.  
PR 02-AUG-1999; 99US-0146388.  
PR 03-AUG-1999; 99US-0146389.  
PR 04-AUG-1999; 99US-0147038.  
PR 04-AUG-1999; 99US-0147204.



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PR 04-AUG-1999; 99US-0147302.
PR 05-AUG-1999; 99US-0147192.
PR 05-AUG-1999; 99US-0147260.
PR 06-AUG-1999; 99US-0147303.
PR 06-AUG-1999; 99US-0147416.
PR 09-AUG-1999; 99US-0147493.
PR 09-AUG-1999; 99US-0147935.
PR 10-AUG-1999; 99US-0148171.
PR 11-AUG-1999; 99US-0148319.
PR 12-AUG-1999; 99US-0148341.
PR 13-AUG-1999; 99US-0148565.
PR 13-AUG-1999; 99US-0148684.
PR 16-AUG-1999; 99US-0149368.
PR 17-AUG-1999; 99US-0149175.
PR 18-AUG-1999; 99US-0149426.
PR 20-AUG-1999; 99US-0149722.
PR 20-AUG-1999; 99US-0149723.
PR 20-AUG-1999; 99US-0149929.
PR 23-AUG-1999; 99US-0149902.
PR 23-AUG-1999; 99US-0149930.
PR 25-AUG-1999; 99US-0150566.
PR 26-AUG-1999; 99US-0150884.
PR 27-AUG-1999; 99US-0151065.
PR 27-AUG-1999; 99US-0151066.
PR 27-AUG-1999; 99US-0151080.
PR 30-AUG-1999; 99US-0151303.
PR 31-AUG-1999; 99US-0151438.
PR 01-SEP-1999; 99US-0151930.
PR 07-SEP-1999; 99US-0152363.
PR 10-SEP-1999; 99US-0153070.
PR 13-SEP-1999; 99US-0153758.
PR 15-SEP-1999; 99US-0154018.
PR 16-SEP-1999; 99US-0154039.
PR 20-SEP-1999; 99US-0154779.
PR 22-SEP-1999; 99US-0155139.
PR 23-SEP-1999; 99US-0155486.
PR 24-SEP-1999; 99US-0155659.
PR 28-SEP-1999; 99US-0156458.
PR 29-SEP-1999; 99US-0156596.
PR 04-OCT-1999; 99US-0157117.
PR 05-OCT-1999; 99US-0157753.
PR 06-OCT-1999; 99US-0157865.
PR 07-OCT-1999; 99US-0158029.
PR 08-OCT-1999; 99US-0158232.
PR 12-OCT-1999; 99US-0158369.
PR 13-OCT-1999; 99US-0159293.
PR 13-OCT-1999; 99US-0159294.
PR 13-OCT-1999; 99US-0159295.
PR 14-OCT-1999; 99US-0159329.
PR 14-OCT-1999; 99US-0159330.
PR 14-OCT-1999; 99US-0159331.
PR 14-OCT-1999; 99US-0159637.
PR 14-OCT-1999; 99US-0159638.
PR 18-OCT-1999; 99US-0159584.
PR 21-OCT-1999; 99US-0160741.
PR 21-OCT-1999; 99US-0160767.
PR 21-OCT-1999; 99US-0160768.
PR 21-OCT-1999; 99US-0160770.
PR 21-OCT-1999; 99US-0160814.
PR 21-OCT-1999; 99US-0160815.
PR 22-OCT-1999; 99US-0160980.
PR 22-OCT-1999; 99US-0160981.
PR 22-OCT-1999; 99US-0160989.
PR 25-OCT-1999; 99US-0161404.
PR 25-OCT-1999; 99US-0161405.
PR 25-OCT-1999; 99US-0161406.
PR 26-OCT-1999; 99US-0161359.
PR 26-OCT-1999; 99US-0161360.
PR 26-OCT-1999; 99US-0161361.
PR 28-OCT-1999; 99US-0161920.
PR 28-OCT-1999; 99US-0161992.
PR 28-OCT-1999; 99US-0161993.
PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 201;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 156 EEVVPKEGMP 166

RESULT 94
AAP60582
ID AAP60582 standard; Protein; 205 AA.
XX
AC AAP60582;
XX
DT 31-JUL-1991 (first entry)
XX
DE P. falciparum peptide contg. repeated epitopes.
XX
KW Malaria; vaccine; peptide; parasite; antimalarial; epitope; disease;
diagnosis.
XX
OS Plasmodium falciparum.
XX
FH Key Location/Qualifiers
FT Region 5..13
FT /label= repeat element
FT /note= "one of 23 epitopic (approximate) repeats"
XX
PN W08600620-A.
XX
PD 30-JAN-1986.
XX
PF 02-JUL-1985; 85WO-FR00183.
XX
PR 02-JUL-1984; 84FR-0010461.
PR 02-JUL-1985; 85WO-FR00183.
PR 02-JUL-1985; 85JP-0502946.
XX
PA (INSP ) INST PASTEUR.
PA (CNRS ) CENT NAT RECH SCIENTIF.
XX
PI Koenen M, Scherf A, Muller-Hill B, Mercereau-Puijalon O;
Pereira Da Silva L;
XX
DR WPI; 1986-042105/06.
DR N-PSDB; AAN60479.
XX
PT New peptide contg. epi-tope for protein formed by malaria
infected cell - and DNA coding sequences, useful in diagnosis and
as immunogens in vaccines
PT as immunogens in vaccines
XX
PS Claim 1; Page 20; 30pp; French.
XX
CC The peptide comprises 23 epitopic 9-amino acid sequences,
characteristic of a protein produced by cells infected by the
malarial parasite Plasmodium falciparum. Compounds containing at
least one of the epitopic peptide sequences may be used as
diagnostic agents and as immunogens in antimalarial vaccines. The
compounds are prepared by usual homogeneous methods of peptide
synthesis. See also AAP60581.
XX
SQ Sequence 205 AA;

Query Match 100.0%; Score 31; DB 7; Length 205;
Best Local Similarity 45.5%; Pred. No. 1.4e+03;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 9 EEVVPPELVEE 19
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RESULT 95  
AAG50788  
ID AAG50788 standard; Protein; 206 AA.  
XX AC  
XX AAG50788;  
XX AC  
XX AC  
DT 18-OCT-2000 (first entry)  
XX DE  
XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 64398.  
XX DE  
XX Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.  
XX  
XX Arabidopsis thaliana.  
XX EP1033405-A2.  
XX PN  
XX PD  
XX PD 06-SEP-2000.  
XX PF  
XX PF 25-FEB-2000; 2000EP-0301439.  
XX  
XX 25-FEB-1999; 99US-0121825.  
PR 05-MAR-1999; 99US-0123180.  
PR 09-MAR-1999; 99US-0123548.  
PR 23-MAR-1999; 99US-0125788.  
PR 23-MAR-1999; 99US-0126264.  
PR 29-MAR-1999; 99US-0126785.  
PR 01-APR-1999; 99US-0127462.  
PR 06-APR-1999; 99US-0128234.  
PR 08-APR-1999; 99US-0128714.  
PR 16-APR-1999; 99US-0129845.  
PR 19-APR-1999; 99US-0130077.  
PR 21-APR-1999; 99US-0130449.  
PR 23-APR-1999; 99US-0130510.  
PR 28-APR-1999; 99US-0130891.  
PR 28-APR-1999; 99US-0131449.  
PR 30-APR-1999; 99US-0132048.  
PR 30-APR-1999; 99US-0132407.  
PR 04-MAY-1999; 99US-0132484.  
PR 05-MAY-1999; 99US-0132485.  
PR 06-MAY-1999; 99US-0132486.  
PR 06-MAY-1999; 99US-0132487.  
PR 07-MAY-1999; 99US-0132863.  
PR 11-MAY-1999; 99US-0134256.  
PR 14-MAY-1999; 99US-0134218.  
PR 14-MAY-1999; 99US-0134219.  
PR 14-MAY-1999; 99US-0134221.  
PR 14-MAY-1999; 99US-0134370.  
PR 18-MAY-1999; 99US-0134768.  
PR 19-MAY-1999; 99US-0134941.  
PR 20-MAY-1999; 99US-0135124.  
PR 21-MAY-1999; 99US-0135353.  
PR 24-MAY-1999; 99US-0135629.  
PR 25-MAY-1999; 99US-0136021.  
PR 25-MAY-1999; 99US-0136392.  
PR 28-MAY-1999; 99US-0136782.  
PR 01-JUN-1999; 99US-0137222.  
PR 03-JUN-1999; 99US-0137528.  
PR 04-JUN-1999; 99US-0137502.  
PR 07-JUN-1999; 99US-0137724.  
PR 08-JUN-1999; 99US-0138094.  
PR 10-JUN-1999; 99US-0138540.  
PR 10-JUN-1999; 99US-0138847.  
PR 14-JUN-1999; 99US-0139119.  
PR 16-JUN-1999; 99US-0139452.  
PR 16-JUN-1999; 99US-0139453.  
PR 17-JUN-1999; 99US-0139492.  
PR 18-JUN-1999; 99US-0139454.  
PR 18-JUN-1999; 99US-0139455.  
PR 18-JUN-1999; 99US-0139456.  
PR 18-JUN-1999; 99US-0139457.  
PR 18-JUN-1999; 99US-0139458.  
PR 18-JUN-1999; 99US-0139459.  
PR 18-JUN-1999; 99US-0139460.  
PR 18-JUN-1999; 99US-0139461.  
PR 18-JUN-1999; 99US-0139462.  
PR 18-JUN-1999; 99US-0139463.  
PR 18-JUN-1999; 99US-0139750.  
PR 18-JUN-1999; 99US-0139750.  
PR 21-JUN-1999; 99US-0139817.  
PR 22-JUN-1999; 99US-0139899.  
PR 23-JUN-1999; 99US-0140353.  
PR 23-JUN-1999; 99US-0140354.  
PR 24-JUN-1999; 99US-0140695.  
PR 28-JUN-1999; 99US-0140823.  
PR 29-JUN-1999; 99US-0140991.  
PR 30-JUN-1999; 99US-0141287.  
PR 01-JUL-1999; 99US-0141842.  
PR 01-JUL-1999; 99US-0142154.  
PR 02-JUL-1999; 99US-0142055.  
PR 06-JUL-1999; 99US-0142390.  
PR 08-JUL-1999; 99US-0142803.  
PR 09-JUL-1999; 99US-0142920.  
PR 12-JUL-1999; 99US-0142977.  
PR 13-JUL-1999; 99US-0143542.  
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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
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OS Arabidopsis thaliana.
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PF 25-FEB-2000; 2000EP-0301439.
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Db 167 EEVPEKGMPL 177

RESULT 97

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XX AC AAU39800;

XX DT 13-FEB-2002 (first entry)

XX DE Propionibacterium acnes immunogenic protein #696.

XX KW SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis;  
 KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;  
 KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;

dermatological; osteopathic; neuroprotectant.

Propionibacterium acnes.

WO200181581-A2.

01-NOV-2001.

20-APR-2001; 2001WO-US12865.

21-APR-2000; 2000US-199047P.

02-JUN-2000; 2000US-208841P.

07-JUL-2000; 2000US-216747P.

(CORI-) CORIXA CORP.

Skelky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;  
L'maisonneuve J, Zhang Y, Jen S, Carter D;

WPI; 2001-616774/71.

N-PSDB; AAS59508.

Propionibacterium acnes polypeptides and nucleic acids useful for  
vaccinating against and diagnosing infections, especially useful for  
treating acne vulgaris

Example 1; SEQ ID No 995; 1069pp; English.

Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic  
polypeptides. The proteins and their associated DNA sequences are used in  
the treatment, prevention and diagnosis of medical conditions caused by  
P. acnes. The disorders include SAPHO syndrome (synovitis, acne,  
pustulosis, hyperostosis and osteomyelitis), uveitis and endophthalmitis.  
P. acnes is also involved in infections of bone, joints and the central  
nervous system, however it is particularly involved in the inflammatory  
lesions associated with acne vulgaris. A method for detecting the  
presence or absence of P. acnes in a patient comprises contacting a  
sample with a binding agent that binds to the proteins of the invention  
and determining the amount of bound protein in the sample. The  
polypeptides may be used as antigens in the production of antibodies  
specific for P. acnes proteins. These antibodies can be used to  
downregulate expression and activity of P. acnes polypeptides and  
therefore treat P. acnes infections. The antibodies may also be used as  
diagnostic agents for determining P. acnes presence, for example, by  
enzyme linked immunosorbent assay (ELISA).

Note: The sequence data for this patent did not form part of the printed  
specification, but was obtained in electronic format directly from WIPO  
at ftp.wipo.int/pub/published\_pct\_sequences.

Sequence 221 AA;

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AC AAU87110;

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DT 05-JUN-2002 (first entry)

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DE Novel central nervous system protein #20.

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XX Central nervous system; CNS; autoimmune disease; rheumatoid arthritis;  
hyperproliferative disorder; neoplasm; cardiovascular disorder;  
cardiac arrest; cerebrovascular disorder; ischaemia; angiogenesis;

KW nervous system disorder; Alzheimer's disease; AIDS; ocular disorder;  
acquired immunodeficiency virus; dysphagia; gastrointestinal disorder;  
adenocarcinoma; reproductive system disorder; testicular feminisation;  
endocrine disorder; diabetes; cancer; leukaemia; neovascularisation;  
respiratory disorder; renal disorder; kidney failure; blood disorder;  
myocardial infarction; wound healing; cell proliferation; skin aging;  
food additive; food preservative; gene therapy.

XX Homo sapiens.

OS

XX WO200155318-A2.

XX

XX 02-AUG-2001.

XX

XX 17-JAN-2001; 2001WO-US01332.

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XX 31-JAN-2000; 2000US-0179065.

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PR 24-FEB-2000; 2000US-0184664.

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PR 17-NOV-2000; 2000US-0249212.  
PR 17-NOV-2000; 2000US-0249213.  
PR 17-NOV-2000; 2000US-0249214.  
PR 17-NOV-2000; 2000US-0249215.  
PR 17-NOV-2000; 2000US-0249216.  
PR 17-NOV-2000; 2000US-0249217.  
PR 17-NOV-2000; 2000US-0249218.  
PR 17-NOV-2000; 2000US-0249244.  
PR 17-NOV-2000; 2000US-0249245.  
PR 17-NOV-2000; 2000US-0249264.  
PR 17-NOV-2000; 2000US-0249265.  
PR 17-NOV-2000; 2000US-0249285.  
PR 17-NOV-2000; 2000US-0249297.  
PR 17-NOV-2000; 2000US-0249299.  
PR 01-DEC-2000; 2000US-0250160.  
PR 01-DEC-2000; 2000US-0250391.  
PR 05-DEC-2000; 2000US-0251030.  
PR 05-DEC-2000; 2000US-0251988.  
PR 05-DEC-2000; 2000US-0256719.  
PR 06-DEC-2000; 2000US-0251479.  
PR 08-DEC-2000; 2000US-0251856.

PR 08-DEC-2000; 2000US-0251868.  
PR 08-DEC-2000; 2000US-0251869.  
PR 08-DEC-2000; 2000US-0251989.  
PR 08-DEC-2000; 2000US-0251990.  
PR 11-DEC-2000; 2000US-0254097.  
PR 05-JAN-2001; 2001US-0259678.  
XX (HUMA-) HUMAN GENOME SCI INC.  
XX Rosen CA, Barash SC, Ruben SM;  
PI WPI; 2001-581633/65.  
DR N-PSDB; ABK43440.  
XX

PT New isolated nucleic acid encoding a protein for diagnosing,  
PT preventing, treating or ameliorating medical conditions and used as  
PT food additives or preservatives -  
PS Claim 9; SEQ ID No 628; 837pp; English.  
XX

CC The invention describes an isolated nucleic acid molecule (I) encoding a  
CC novel central nervous system protein. (I) and polypeptides (III) encoded  
CC by (I), are used to treat a medical condition and in diagnosis of a  
CC pathological condition. Disorders which are diagnosed or treated include  
CC autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative  
CC disorders e.g. neoplasms of the breast or liver, cardiovascular disorders  
CC e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia,  
CC angiogenesis, nervous system disorders e.g. Alzheimer's disease and  
CC amyotrophic lateral sclerosis, infections caused by bacteria, viruses  
CC e.g. Acquired immunodeficiency virus (AIDS) and fungi, ocular disorders  
CC e.g. corneal infection, gastrointestinal disorders e.g. dysphagia,  
CC adenocarcinomas and irritable bowel syndrome, reproductive system  
CC disorders e.g. testicular feminisation, endocrine disorders e.g. diabetes  
CC and pituitary dwarfism, cancers and disorders at the cellular level e.g.  
CC leukaemia, disorders involving neovascularisation e.g. malignancies,  
CC respiratory disorders e.g. nonallergic rhinitis, renal disorders e.g.  
CC acute kidney failure and blood related disorders e.g. myocardial  
CC infarction. The polypeptides can also be used to aid wound healing and  
CC epithelial cell proliferation, to prevent skin aging due to sunburn, to  
CC maintain organs before transplantation, for supporting cell culture of  
CC primary tissues, to regenerate tissues and in chemotaxis. The  
CC polypeptides can also be used as a food additive or preservative to  
CC increase or decrease storage capabilities, fat content, lipid, protein,

Query Match 100.0%; Score 31; DB 22; Length 228;  
Best Local Similarity 54.5%; pred. No. 1.6e+03;

Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 218 EEVVEVIFKX 228  
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## RESULT 99

AAU23151  
ID AAU23151 standard; Protein; 228 AA.

XX AC AAU23151;

XX DT 18-DEC-2001 (first entry)

DE Novel human enzyme polypeptide #237.

XX Human; oxidoreductase enzyme; transferase; hydrolase; lyase; isomerase;  
KW ligase; hyperproliferative disorder; immunodeficiency disorder;  
KW autoimmune disorder; neurological disorder; metabolic disorder;  
KW inflammatory disorder; cardiovascular disorder; reproductive disorder;  
KW blood-related disorder; infectious disorder; cytostatic; anti arthritic;  
KW nephrotropic; anticoagulant.

OS Homo sapiens.

XX WO200155301-A2.  
PN

audet-909164-5.dx-anysize600.rag

Thu May 29 17:38:54 2003

XX	PR	29-SEP-2000;	2000US-0236367.
PD	PR	29-SEP-2000;	2000US-0236368.
XX	PR	29-SEP-2000;	2000US-0236369.
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XX	PR	02-OCT-2000;	2000US-0236802.
XX	PR	02-OCT-2000;	2000US-0237037.
PR	PR	02-OCT-2000;	2000US-0237038.
PR	PR	02-OCT-2000;	2000US-0237039.
PR	PR	02-OCT-2000;	2000US-0237040.
PR	PR	13-OCT-2000;	2000US-0239935.
PR	PR	13-OCT-2000;	2000US-0239937.
PR	PR	20-OCT-2000;	2000US-0240960.
PR	PR	20-OCT-2000;	2000US-0241221.
PR	PR	20-OCT-2000;	2000US-0241785.
PR	PR	20-OCT-2000;	2000US-0241786.
PR	PR	20-OCT-2000;	2000US-0241787.
PR	PR	20-OCT-2000;	2000US-0241808.
PR	PR	20-OCT-2000;	2000US-0241809.
PR	PR	20-OCT-2000;	2000US-0241826.
PR	PR	01-NOV-2000;	2000US-0244617.
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PR	PR	08-NOV-2000;	2000US-0246476.
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PR	PR	08-NOV-2000;	2000US-0246523.
PR	PR	08-NOV-2000;	2000US-0246524.
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PR	PR	08-NOV-2000;	2000US-0246526.
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PR	PR	08-NOV-2000;	2000US-0246610.
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PR	PR	17-NOV-2000;	2000US-0246613.
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PR	PR	17-NOV-2000;	2000US-0249208.
PR	PR	17-NOV-2000;	2000US-0249209.
PR	PR	17-NOV-2000;	2000US-0249210.
PR	PR	17-NOV-2000;	2000US-0249211.
PR	PR	17-NOV-2000;	2000US-0249212.
PR	PR	17-NOV-2000;	2000US-0249213.
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PR	PR	17-NOV-2000;	2000US-0249217.
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PR	PR	17-NOV-2000;	2000US-0249244.
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PR	PR	01-DEC-2000;	2000US-0250160.
PR	PR	01-DEC-2000;	2000US-0250391.
PR	PR	05-DEC-2000;	2000US-0251030.
PR	PR	05-DEC-2000;	2000US-0251988.
PR	PR	05-DEC-2000;	2000US-0256719.
PR	PR	06-DEC-2000;	2000US-0251479.
PR	PR	08-DEC-2000;	2000US-0251856.
PR	PR	08-DEC-2000;	2000US-0251868.
PR	PR	08-DEC-2000;	2000US-0251869.
PR	PR	08-DEC-2000;	2000US-0251989.
PR	PR	11-DEC-2000;	2000US-0251990.
PR	PR	05-JAN-2001;	2001US-0259678.
XX	XX	(HUMA-)	HUMAN GENOME SCI INC.
XX	PA	Rosen CA,	Barash SC, Ruben SM;
XX	PI		
XX	XX		

DR WPI: 2001-465566/50.  
 DR N-PSDB; AAS41021.  
 XX Novel polypeptides and polynucleotides useful for diagnosing,  
 PT preventing, treating neural, immune system, muscular, reproductive,  
 PT pulmonary, cardiovascular, renal, proliferative disorders and cancerous  
 PT diseases.  
 XX Claim 11: SEQ ID No 1147; 1180pp; English.  
 PS The present invention relates to the isolation of novel human enzyme  
 XX polypeptides, and the cDNA (AA040785-AA041684) and genomic sequences  
 CC encoding them. The enzyme polypeptides of the invention may comprise the  
 CC functional classes of oxidoreductases, transferases, hydrolases, lyases,  
 CC isomerases or ligases. The sequences of the invention are useful in the  
 CC diagnosis, treatment, prevention and/or prognosis of a wide range of  
 CC disorders including hyperproliferative disorders (e.g. cancer),  
 CC immunodeficiency disorders (e.g. AIDS) autoimmune disorders  
 CC (e.g. arthritis), neurological disorders (e.g. Alzheimer's disease),  
 CC metabolic disorders (e.g. phenylketonuria), inflammatory disorders  
 CC (e.g. asthma), cardiovascular disorders (e.g. atherosclerosis),  
 CC blood-related disorders (e.g. haemophilia), reproductive disorders  
 CC (e.g. infertility) and infectious disorders (e.g. Influenza). The  
 CC polynucleotides of the invention can also be used in gene therapy.  
 CC AA022915-AA023814 represent the novel human enzyme polypeptides of the  
 CC invention.  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX Sequence 228 AA;  
 SQ

Query Match 100.0%; Score 31; DB 22; Length 228;  
 Best Local Similarity 54.5%; Pred. No. 1.6e+03;  
 Matches 6; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX.11  
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 Db 218 EEVPEVIFPKX 228

RESULT 100  
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 ID AAG34992 standard; Protein: 273 AA.  
 XX  
 AC AAG34992;  
 XX  
 DT 18-OCT-2000 (first entry)  
 XX  
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 42673.  
 XX  
 KW Protein identification; signal transduction pathway; metabolic pathway;  
 KW hybridisation assay; genetic mapping; gene expression control; promoter;  
 KW termination sequence.  
 XX  
 OS Arabidopsis thaliana.  
 XX  
 PN EP1033405-A2.  
 XX  
 PD 06-SEP-2000.  
 XX  
 PF 25-FEB-2000; 2000EP-0301439.  
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 PR 25-FEB-1999; 99US-0121825.  
 PR 05-MAR-1999; 99US-0123180.  
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 PR 28-MAY-1999; 99US-0136782.  
 PR 01-JUN-1999; 99US-0137222.  
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PR	03-AUG-1999;	99US-0147038.
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PR	05-AUG-1999;	99US-0147260.
PR	06-AUG-1999;	99US-0147303.
PR	06-AUG-1999;	99US-0147416.
PR	09-AUG-1999;	99US-0147493.
PR	09-AUG-1999;	99US-0147935.
PR	10-AUG-1999;	99US-0148171.
PR	11-AUG-1999;	99US-0148319.
PR	12-AUG-1999;	99US-0148341.
PR	13-AUG-1999;	99US-0148565.
PR	13-AUG-1999;	99US-0148684.
PR	16-AUG-1999;	99US-0149368.
PR	17-AUG-1999;	99US-0149175.
PR	18-AUG-1999;	99US-0149426.
PR	20-AUG-1999;	99US-0149722.
PR	20-AUG-1999;	99US-0149723.
PR	20-AUG-1999;	99US-0149929.
PR	23-AUG-1999;	99US-0149902.
PR	23-AUG-1999;	99US-0149930.
PR	25-AUG-1999;	99US-0150566.
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PR	07-SEP-1999;	99US-0152363.
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PR	29-SEP-1999;	99US-0156596.
PR	04-OCT-1999;	99US-0157117.
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PR	06-OCT-1999;	99US-0157865.
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PR	21-OCT-1999;	99US-0160768.
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PR	21-OCT-1999;	99US-0160815.
PR	22-OCT-1999;	99US-0160980.
PR	22-OCT-1999;	99US-0160981.
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PR	25-OCT-1999;	99US-0161404.
PR	25-OCT-1999;	99US-0161405.
PR	25-OCT-1999;	99US-0161406.
PR	26-OCT-1999;	99US-0161359.
PR	26-OCT-1999;	99US-0161360.
PR	26-OCT-1999;	99US-0161361.
PR	28-OCT-1999;	99US-0161920.
PR	28-OCT-1999;	99US-0161992.
PR	28-OCT-1999;	99US-0161993.
PR	29-OCT-1999;	99US-0162142.
Query Match 100.0%; Score 31; DB 21; Length 273;		
Best Local Similarity 45.5%; Pred. No. 2e+03;		
Matches	5; Conservative	6; Mismatches
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		0; Gaps
		0;
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Db	207	EEVPELVLR 217
RESULT 101		
AAO18224	AAO18224 standard; Protein; 281 AA.	
XX	AAO18224;	
DT	18-SEP-2002 (first entry)	
XX	Human Bcl-Rambo_BHNO domain.	
DE	Human; apoptotic signal transduction protein; Bcl-Rambo; BHNO domain;	
XX	cancer; neurodegenerative disease; Alzheimer's disease; cytostatic;	
KW	nootropic; neuroprotective; antiparkinsonian; virucide; antiinflammatory;	
KW	immunosuppressive; anti-HIV; antibacterial; hepatotropic; septic shock;	
KW	Parkinson's disease; muscular dystrophy; HIV; viral infection; hepatitis;	
KW	graft versus host disease; autoimmune disease.	
XX	Homo sapiens.	
OS	WO200248353-A2.	
XX	20-JUN-2002.	
PN	12-DEC-2001; 2001WO-EPL4597.	
PD	12-DEC-2000; 2000DE-1061766.	
XX	04-JAN-2001; 2001DE-1000280.	
XX	(APOT-) APOTECH RES & DEV LTD.	
PA	Tschopp J, Hofmann K;	
XX	WPI: 2002-537627/57.	
XX	N-PSDB; AAL47611.	
DR	New DNA encoding Bcl-Rambo protein, useful for treating e.g. tumors and	
XX	for identifying therapeutic modulators of Bcl-Rambo function.	
PT	Claim 1; Fig 7; 61pp; German.	
XX		
PS		

XX The present invention provides the protein and coding sequences of the  
 CC human Bcl-Rambo apoptotic transcription factor, particularly the BHNO  
 CC domain. The sequences are useful in the treatment of diseases caused by  
 CC incorrectly regulated intracellular signal transduction, including  
 CC cancers, neurodegenerative diseases (e.g. Alzheimer's or Parkinson's  
 CC diseases), muscular dystrophy, viral infections (including human  
 CC immunodeficiency virus), autoimmune disease, septic shock, graft versus  
 CC host disease and acute hepatitis. The present sequence is the human  
 CC Bcl-Rambo BHNO domain.

XX Sequence 281 AA;

Query Match 100.0%; Score 31; DB 23; Length 281;

Best Local Similarity 45.5%; Pred. No. 2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

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192 EEVVPALPTE 202

RESULT 102

AAG50787

ID AAG50787 standard; Protein; 284 AA.

XX AC AAG50787;

XX DT 18-OCT-2000 (first entry)

XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 64397.

XX KW Protein identification; signal transduction pathway; metabolic pathway;

XX KW hybridisation assay; genetic mapping; gene expression control; promoter;

XX KW termination sequence.

XX OS Arabidopsis thaliana.

XX PN EP1033405-A2.

XX PD 06-SEP-2000.

XX PF 25-FEB-2000; 2000EP-0301439.

XX PR 25-FEB-1999; 99US-0121825.

XX PR 05-MAR-1999; 99US-0123180.

XX PR 09-MAR-1999; 99US-0123548.

XX PR 23-MAR-1999; 99US-0125788.

XX PR 25-MAR-1999; 99US-0126264.

XX PR 29-MAR-1999; 99US-0126785.

XX PR 01-APR-1999; 99US-0127462.

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XX PR 08-APR-1999; 99US-0128714.

XX PR 16-APR-1999; 99US-0129845.

XX PR 19-APR-1999; 99US-0130077.

XX PR 21-APR-1999; 99US-0130449.

XX PR 23-APR-1999; 99US-0130510.

XX PR 28-APR-1999; 99US-0130891.

XX PR 30-APR-1999; 99US-0131449.

XX PR 30-APR-1999; 99US-0132048.

XX PR 04-MAY-1999; 99US-0132407.

XX PR 04-MAY-1999; 99US-0132484.

XX PR 05-MAY-1999; 99US-0132485.

XX PR 06-MAY-1999; 99US-0132486.

XX PR 07-MAY-1999; 99US-0132487.

XX PR 11-MAY-1999; 99US-0132863.

XX PR 14-MAY-1999; 99US-0134256.

XX PR 14-MAY-1999; 99US-0134218.

XX PR 14-MAY-1999; 99US-0134219.

XX PR 14-MAY-1999; 99US-0134221.

XX PR 14-MAY-1999; 99US-0134370.

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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Db      275 EEVVPKEGMPL 285

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XX
XX      17-OCT-2000 (first entry)
DT
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XX      Arabidopsis thaliana protein fragment SEQ ID NO: 16564.
DE
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XX      protein identification; signal transduction pathway; metabolic pathway;
KW      hybridisation assay; genetic mapping; gene expression control; promoter;
KW      termination sequence.

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Query Match 100.0%; Score 31; DB 21; Length 337;  
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QY 1 EEVVPXXXXX 11  
Db 292 EEVVPKGMPL 302

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XX AAG30654;  
AC AAG30654;

XX 17-OCT-2000 (first entry)

DE Arabidopsis thaliana protein fragment SEQ ID NO: 36687.

KW Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.

XX Arabidopsis thaliana.

OS Arabidopsis thaliana.

PN EP1033405-A2.

XX PD 06-SEP-2000.

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Query Match 100.0%; Score 31; DB 21; Length 348;
Best Local Similarity 45.5%; Pred. No. 2.6e+03;
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QY 1 BEVVPXXXXX 11
Db 303 BEVVPKGMPL 313

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AC AAG34990;
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XX 18-OCT-2000 (first entry)
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DE Arabidopsis thaliana protein fragment SEQ ID NO: 42671.
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KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX
XX Arabidopsis thaliana.
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PN EP1033405-A2.
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XX 06-SEP-2000.
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XX 25-FEB-2000; 2000EP-0301439.
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PR 06-OCT-1999; 99US-0157865.  
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PR 28-OCT-1999; 99US-0161920.  
PR 28-OCT-1999; 99US-0161992.  
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PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 384;  
Best Local Similarity 45.5%; Pred. No. 2.9e+03;  
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OY 1 EEVVPXXXXXX 11

Db 318 EEVVFELVRL 328

RESULT 110

ABB62674

ID ABB62674 standard; Protein; 409 AA.

XX AC ABB62674;

XX DT 26-MAR-2002 (first entry)

XX DE Drosophila melanogaster polypeptide SEQ ID NO 14814.

XX KW Drosophila; developmental biology; cell signalling; insecticide;  
pharmaceutical.  
XX OS Drosophila melanogaster.  
XX PN WO200171042-A2.  
XX PD 27-SEP-2001.  
XX PF 23-MAR-2001; 2001WO-US09231.  
XX PR 23-MAR-2000; 2000US-191637P.  
XX PR 11-JUL-2000; 2000US-0614150.  
XX (PEKE ) PE CORP NY.  
XX Venter JC, Adams M, Li PWD, Myers EW;  
XX WPI; 2001-656860/75.  
XX DR N-PSDB; ABL06777.

XX PT New isolated nucleic acid detection reagent for detecting 1000 or more  
genes from Drosophila and for elucidating cell signalling and cell-cell  
interactions -

XX Disclosure; SEQ ID NO 14814; 21pp + Sequence Listing; English.

XX The invention relates to an isolated nucleic acid detection reagent

CC capable of detecting 1000 or more genes from *Drosophila*. The invention is

CC useful in developmental biology and in elucidating cell signalling and

CC cell-cell interactions in higher eukaryotes for the development of

CC insecticides, therapeutics and pharmaceutical drugs. The invention

CC discloses genomic DNA sequences (ABL01840-ABL16176-ABL30511), expressed DNA

CC sequences (ABL01840-ABL16175) and the encoded proteins

CC (ABB57737-ABB72072).

CC The sequence data for this patent did not form part of the printed

CC specification, but was obtained in electronic format directly from WIPO

CC at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 409 AA;

Query Match 100.0%; Score 31; DB 22; Length 409;

Best Local Similarity 45.5%; Pred. No. 3.1e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 301 EEVVPDLLDGD 311

RESULT 111

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ID AAB96505 standard; Protein; 419 AA.

AC AAB96505;

XX 29-OCT-2001 (first entry)

DE Putative P. abyssal molecular chaperone #1.

XX Hyperthermophilic archaeon; hyperthermophilic protein.

KW Pyrococcus abyssi.

OS FR2792651-A1.

PN 27-OCT-2000.

PD 21-APR-1999; 99FR-0005034.

XX 21-APR-1999; 99FR-0005034.

XX (CNRS ) CNRS CENT NAT RECH SCI.

PA (IFRE-) IFREMER INST FR RECH EXPL MER.

XX Forterre P, Thierry JC, Prieur D, Dietrich J, Lecompte O;

PI Querellou J, Weissenbach J, Saurin W, Heilig R;

XX WPI; 2001-126236/14.

XX New nucleotide sequences isolated from *Pyrococcus abyssi* encode

PT proteins useful in industry -

XX Claim 7; Pages 1221-1222; 1657pp; French.

XX The present invention relates to the genomic sequence of *Pyrococcus*

CC abyssal (see AAF86431 and AAH41223-7) and P. abyssi proteins. P. abyssi is

CC a hyperthermophilic archaeon, which is isolated from deep-sea

CC hydrothermal vents. The present sequence is one such P. abyssi protein.

CC The proteins of the present invention have various potential industrial

CC uses, since the proteins are stable at very high temperatures, some up to

CC 110 degrees centigrade.

CC Note: This patent is in the same patent family as WO2000065062, which

CC contains additional sequences as shown in AAB99132-AAB99143.

CC AAH75903-AAH75920 and AAG66436.

XX SQ Sequence 419 AA;

Query Match 100.0%; Score 31; DB 22; Length 419;

Best Local Similarity 45.5%; Pred. No. 3.2e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 201 EEVVPPEEVE 211

RESULT 112

ABB66828

ID ABB66828 standard; Protein; 449 AA.

AC ABB66828;

XX 26-MAR-2002 (first entry)

DT *Drosophila melanogaster* polypeptide SEQ ID NO 27276.

XX *Drosophila*; developmental biology; cell signalling; insecticide;

KW pharmaceutical.

XX *Drosophila melanogaster*.

OS WO200171042-A2.

XX 27-SEP-2001.

XX 23-MAR-2001; 2001WO-US09231.

XX 23-MAR-2000; 2000US-191637P.

PR 11-JUL-2000; 2000US-0614150.

XX (PEKE ) PE CORP NY.

XX Venter JC, Adams M, Li PWD, Myers EW;

PI WPI; 2001-656860/75.

DR N-PSDB; ABL10931.

XX New isolated nucleic acid detection reagent for detecting 1000 or more

PT genes from *Drosophila* and for elucidating cell signalling and cell-cell

PT interactions -

XX Disclosure; SEQ ID NO 27276; 21pp + Sequence Listing; English.

XX The invention relates to an isolated nucleic acid detection reagent

CC capable of detecting 1000 or more genes from *Drosophila*. The invention is

CC useful in developmental biology and in elucidating cell signalling and

CC cell-cell interactions in higher eukaryotes for the development of

CC insecticides, therapeutics and pharmaceutical drugs. The invention

CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA

CC sequences (ABL01840-ABL16175) and the encoded proteins

CC (ABB57737-ABB72072).

CC The sequence data for this patent did not form part of the printed

CC specification, but was obtained in electronic format directly from WIPO

CC at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 449 AA;

Query Match 100.0%; Score 31; DB 22; Length 449;

Best Local Similarity 45.5%; Pred. No. 3.4e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 113 EEVVPPTFC 123

RESULT 113

AAE23035

ID AAE23035 standard; Protein; 454 AA.



DT 18-SEP-2002 (first entry)  
DE Human Bcl-Rambo BHO domain related protein #1.  
XX  
KW Human; apoptotic signal transduction protein; Bcl-Rambo; BHO domain;  
KW cancer; neurodegenerative disease; Alzheimer's disease; cytostatic;  
KW nontropic; neuroprotective; antiparkinsonian; virucide; antiinflammatory;  
KW immunosuppressive; anti-HIV; antibacterial; hepatotropic; septic shock;  
KW Parkinson's disease; muscular dystrophy; HIV; viral infection; hepatitis;  
KW graft versus host disease; autoimmune disease.  
XX  
OS Unidentified.  
XX  
XX WO200248353-A2.  
XX  
XX 20-JUN-2002.  
XX  
XX 12-DEC-2001; 2001WO-EP14597.  
XX  
XX 12-DEC-2000; 2000DE-1061766.  
XX  
XX 04-JAN-2001; 2001DE-1000280.  
XX  
XX (APOT-) APOTECH RES & DEV LTD.  
XX  
XX Tschopp J, Hofmann K;  
XX  
XX WPI; 2002-537627/57.  
XX  
XX New DNA encoding Bcl-Rambo protein, useful for treating e.g. tumors and  
XX for identifying therapeutic modulators of Bcl-Rambo function -  
XX Disclosure; Fig 1; 61pp; German.  
XX  
XX The present invention provides the protein and coding sequences of the  
XX human Bcl-Rambo apoptotic transcription factor, particularly the BHO  
XX domain. The sequences are useful in the treatment of diseases caused by  
XX incorrectly regulated intracellular signal transduction, including  
XX cancers, neurodegenerative diseases (e.g. Alzheimer's or Parkinson's  
XX diseases), muscular dystrophy, viral infections (including human  
XX immunodeficiency virus), autoimmune disease, septic shock, graft versus  
XX host disease and acute hepatitis. The present sequence is a protein  
XX described in the exemplification of the invention.  
XX  
XX Sequence 481 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 23; Length 481;  
XX Best Local Similarity 45.5%; Pred. No. 3.7e+03;  
XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX QY 1 EEVVPXXXXX 11  
XX |||||:|:|:|:  
XX Db 392 EEVVPALPEPE 402  
XX  
XX RESULT 116  
XX AAM39971  
XX ID AAM39971 standard; Protein; 485 AA.  
XX  
XX AC AAM39971;  
XX  
XX DT 22-OCT-2001 (first entry)  
XX  
XX DE Human polypeptide SEQ ID NO 3116.  
XX  
XX KW Human; nontropic; immunosuppressant; cytostatic; gene therapy; cancer;  
XX peripheral nervous system; neuropathy; central nervous system; CNS;  
XX Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic;  
XX amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;  
XX chemokinetic; thrombolytic; drug screening; arthritis; inflammation;  
XX leukaemia.  
XX  
XX OS Homo sapiens.  
XX  
XX

PN WO200153312-A1.  
XX  
XX PD 26-JUL-2001.  
XX  
XX PF 26-DEC-2000; 2000WO-US34263.  
XX  
XX 21-JAN-2000; 2000US-0488725.  
XX  
XX PR 25-APR-2000; 2000US-0552317.  
XX  
XX PR 09-JUL-2000; 2000US-0598042.  
XX  
XX PR 19-JUL-2000; 2000US-0620312.  
XX  
XX PR 03-AUG-2000; 2000US-0653450.  
XX  
XX PR 14-SEP-2000; 2000US-0662191.  
XX  
XX PR 19-OCT-2000; 2000US-0693036.  
XX  
XX PR 29-NOV-2000; 2000US-0727344.  
XX  
XX (HYSE-) HYSEQ INC.  
XX  
XX Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;  
XX Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J;  
XX Zhao QA, Zhou P, Goodrich R, Drmanac RT;  
XX  
XX WPI; 2001-442253/47.  
XX  
XX N-PSDB; AAI59127.  
XX  
XX Novel nucleic acids and polypeptides, useful for treating disorders  
XX such as central nervous system injuries -  
XX Example 4; SEQ ID NO 3116; 10078pp; English.  
XX  
XX The invention relates to human nucleic acids (AA157798-AA161369) and  
XX the encoded polypeptides (AAM38642-AA44213) with nontropic,  
XX immunosuppressant and cytostatic activity. The polynucleotides are useful  
XX in gene therapy. A composition containing a polypeptide or polynucleotide  
XX of the invention may be used to treat diseases of the peripheral nervous  
XX system, such as peripheral nervous injuries, peripheral neuropathy and  
XX localised neuropathies and central nervous system diseases, such as  
XX Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic  
XX lateral sclerosis, and Shy-Drager Syndrome. Other uses include the  
XX utilisation of the activities such as: Immune system suppression,  
XX Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic  
XX and thrombolytic activity, cancer diagnosis and therapy, drug screening,  
XX assays for receptor activity, arthritis and inflammation, leukaemias and  
XX C.N.S disorders.  
XX  
XX Note: The sequence data for this patent did not form part of the printed  
XX specification.  
XX  
XX SQ Sequence 485 AA;  
XX  
XX Query Match 100.0%; Score 31; DB 22; Length 485;  
XX Best Local Similarity 45.5%; Pred. No. 3.8e+03;  
XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
XX  
XX QY 1 EEVVPXXXXX 11  
XX |||||:|:|:|:  
XX Db 396 EEVVPALPEPE 406  
XX  
XX RESULT 117  
XX AAO18225  
XX ID AAO18225 standard; Protein; 485 AA.  
XX  
XX AC AAO18225;  
XX  
XX DT 18-SEP-2002 (first entry)  
XX  
XX DE Human Bcl-Rambo.  
XX  
XX KW Human; apoptotic signal transduction protein; Bcl-Rambo; BHO domain;  
XX cancer; neurodegenerative disease; Alzheimer's disease; cytostatic;  
XX nontropic; neuroprotective; antiparkinsonian; virucide; antiinflammatory;  
XX immunosuppressive; anti-HIV; antibacterial; hepatotropic; septic shock;  
XX Parkinson's disease; muscular dystrophy; HIV; viral infection; hepatitis;  
XX graft versus host disease; autoimmune disease.  
XX



XX OS Homo sapiens.  
 XX PN WO200248353-A2.  
 XX PD 20-JUN-2002.  
 XX PF 12-DEC-2001; 2001WO-BP14597.  
 XX PR 12-DEC-2000; 2000DE-1061766.  
 XX PR 04-JAN-2001; 2001DE-1000280.  
 XX RA (APOT-) APOTECH RES & DEV LTD.  
 XX PI Tschopp J, Hofmann K;  
 XX DR WPI; 2002-537627/57.  
 XX DR N-PSDB; AAL47611.  
 XX PT New DNA encoding Bcl-Rambo protein, useful for treating e.g. tumors and  
 PT for identifying therapeutic modulators of Bcl-Rambo function -  
 XX PS Claim 3; Fig 8; 61pp; German.  
 XX CC The present invention provides the protein and coding sequences of the  
 CC human Bcl-Rambo apoptotic transcription factor, particularly the BHNO  
 CC domain. The sequences are useful in the treatment of diseases caused by  
 CC incorrectly regulated intracellular signal transduction, including  
 CC cancers, neurodegenerative diseases (e.g. Alzheimer's or Parkinson's  
 CC diseases), muscular dystrophy, viral infections (including human  
 CC immunodeficiency virus), autoimmune disease, septic shock, graft versus  
 CC host disease and acute hepatitis. The present sequence is the human  
 CC Bcl-Rambo protein.  
 XX SQ Sequence 485 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 485;  
 Best Local Similarity 45.5%; Pred. No. 3.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:|:  
 Db 396 EEVVPALPEPE 406  
 RESULT 118  
 AAB94792  
 ID AAB94792 standard; Protein; 492 AA.  
 XX AC AAB94792;  
 XX DT 26-JUN-2001 (first entry)  
 XX DE Human protein sequence SEQ ID NO:15911.  
 XX KW Human; primer; detection; diagnosis; antisense therapy; gene therapy.  
 XX OS Homo sapiens.  
 XX PN EP1074617-A2.  
 XX PD 07-FEB-2001.  
 XX PF 28-JUL-2000; 2000EP-0116126.  
 XX PR 29-JUL-1999; 99JP-0248036.  
 XX PR 27-AUG-1999; 99JP-0300253.  
 XX PR 11-JAN-2000; 2000JP-0118776.  
 XX PR 02-MAY-2000; 2000JP-0183767.  
 XX PR 09-JUN-2000; 2000JP-0241899.  
 XX RA (HELI-) HELIX RES INST.  
 XX PI Drmanac RT, Liu C, Tang YT;

PI Ota T, Isogai T, Nishikawa T, Hayashi K, Saito K, Yamamoto J;  
 PI Ishii S, Sugiyama T, Wakamatsu A, Nagai K, Otsuki T;  
 XX WPI; 2001-318749/34.  
 XX PT Primer sets for synthesizing polynucleotides, particularly the 5602  
 PT full-length cDNAs defined in the specification, and for the detection  
 PT and/or diagnosis of the abnormality of the proteins encoded by the  
 PT full-length cDNAs -  
 XX PS Claim 8; SEQ ID 15911; 2537pp + CD ROM; English.  
 XX CC The present invention describes primer sets for synthesizing 5602  
 CC full-length cDNAs defined in the specification. Where a primer set  
 CC comprises: (a) an oligo-dT primer and an oligonucleotide complementary  
 CC to the complementary strand of a polynucleotide which comprises one of  
 CC the 5602 nucleotide sequences defined in the specification, where the  
 CC oligonucleotide comprises at least 15 nucleotides; or (b) a combination  
 CC of an oligonucleotide comprising a sequence complementary to the  
 CC complementary strand of a polynucleotide which comprises a 5'-end  
 CC sequence and an oligonucleotide comprising a sequence complementary to a  
 CC polynucleotide which comprises a 3'-end sequence, where the  
 CC oligonucleotide comprises at least 15 nucleotides and the combination of  
 CC the 5'-end sequence/3'-end sequence is selected from those defined in  
 CC the specification. The primer sets can be used in antisense therapy and  
 CC in gene therapy. The primers are useful for synthesizing polynucleotides,  
 CC particularly full-length cDNAs. The primers are also useful for the  
 CC detection and/or diagnosis of the abnormality of the proteins encoded by  
 CC the full-length cDNAs. The primers allow obtaining of the full-length  
 CC cDNAs easily without any specialised methods. AAH03166 to AAH13628 and  
 CC AAH13633 to AAH18742 represent human cDNA sequences; AAB92446 to  
 CC AAB95893 represent human amino acid sequences; and AAH13629 to AAH13632  
 CC represent oligonucleotides, all of which are used in the exemplification  
 CC of the present invention.  
 XX SQ Sequence 492 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 492;  
 Best Local Similarity 45.5%; Pred. No. 3.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:|:  
 Db 244 EEVVPASILLH 254  
 RESULT 119  
 ABG12505  
 ID ABG12505 standard; Protein; 506 AA.  
 XX AC ABG12505;  
 XX DT 18-FEB-2002 (first entry)  
 XX DE Novel human diagnostic protein #12496.  
 XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX OS Homo sapiens.  
 XX PN WO200175067-A2.  
 XX PD 11-OCT-2001.  
 XX PF 30-MAR-2001; 2001WO-US08631.  
 XX PR 31-MAR-2000; 2000US-0540217.  
 XX PR 23-AUG-2000; 2000US-0649167.  
 XX RA (HYSE-) HYSEQ INC.  
 XX PI Drmanac RT, Liu C, Tang YT;

XX WPI; 2001-639362/73.  
DR N-PSDB; AAS76692.  
XX  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity -  
XX  
XX Claim 20; SEQ ID No 42864; 103pp; English.  
XX  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 506 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 506;  
Best Local Similarity 45.5%; Pred. No. 3.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
Db 340 EEVVPFLKL 350  
|||||:|||||  
  
RESULT 120  
ABG18772  
ID ABG18772 standard; Protein; 508 AA.  
XX  
XX AC ABG18772;  
XX  
XX 18-FEB-2002 (first entry)  
XX  
XX DE Novel human diagnostic protein #18763.  
XX  
XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.  
XX  
XX OS Homo sapiens.  
XX  
XX PN WO200175067-A2.  
XX  
XX PD 11-OCT-2001.  
XX  
XX PF 30-MAR-2001; 2001WO-US08631.  
XX  
XX PR 31-MAR-2000; 2000US-0540217.  
XX  
XX PR 23-AUG-2000; 2000US-0649167.  
XX  
XX PA (HYSE-) HYSEQ INC.  
XX  
XX PI Drmanac RT, Liu C, Tang YT;  
XX  
XX WPI; 2001-639362/73.  
DR

DR N-PSDB; AAS82959.  
XX  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity -  
XX  
XX Claim 20; SEQ ID No 49131; 103pp; English.  
XX  
XX The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 508 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 508;  
Best Local Similarity 45.5%; Pred. No. 4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPXXXXX 11  
Db 285 EEVVPSSNPDS 295  
|||||:|||||  
  
RESULT 121  
AAU64492  
ID AAU64492 standard; Protein; 527 AA.  
XX  
XX AC AAU64492;  
XX  
XX 27-FEB-2002 (first entry)  
XX  
XX DE Propionibacterium acnes immunogenic protein #25388.  
XX  
XX KW SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis;  
KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;  
KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;  
KW dermatological; osteopathic; neuroprotectant.  
XX  
XX OS Propionibacterium acnes.  
XX  
XX PN WO200181581-A2.  
XX  
XX PD 01-NOV-2001.  
XX  
XX PF 20-APR-2001; 2001WO-US12865.  
XX  
XX PR 21-APR-2000; 2000US-199047P.  
XX  
XX PR 02-JUN-2000; 2000US-208841P.  
XX  
XX PR 07-JUL-2000; 2000US-216747P.  
XX  
XX PA (CORI-) CORIXA CORP.  
XX  
XX PI Skeiky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;  
PI L'maisonneuve J, Zhang Y, Jen S, Carter D;

XX WPI: 2001-616774/71.  
 DR N-PSDB; AAS59645.  
 XX  
 PT Propionibacterium acnes polypeptides and nucleic acids useful for  
 PT vaccinating against and diagnosing infections, especially useful for  
 PT treating acne vulgaris.  
 XX  
 PS Example 1; SEQ ID No 25687; 1069pp; English.  
 XX  
 CC Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic  
 CC polypeptides. The proteins and their associated DNA sequences are used in  
 CC the treatment, prevention and diagnosis of medical conditions caused by  
 CC P. acnes. The disorders include SAPHO syndrome (synovitis, acne,  
 CC pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis.  
 CC P. acnes is also involved in infections of bone, joints and the central  
 CC nervous system, however it is particularly involved in the inflammatory  
 CC lesions associated with acne vulgaris. A method for detecting the  
 CC presence or absence of P. acnes in a patient comprises contacting a  
 CC sample with a binding agent that binds to the proteins of the invention  
 CC and determining the amount of bound protein in the sample. The  
 CC polypeptides may be used as antigens in the production of antibodies  
 CC specific for P. acnes proteins. These antibodies can be used to  
 CC downregulate expression and activity of P. acnes polypeptides and  
 CC therefore treat P. acnes infections. The antibodies may also be used as  
 CC diagnostic agents for determining P. acnes presence, for example, by  
 CC enzyme linked immunosorbent assay (ELISA).  
 CC Note: The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 527 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 527;  
 Best Local Similarity 45.5%; Pred. No. 4.1e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:::  
 Db 483 EEVVPRTVM 493  
 RESULT 122  
 ABG26669  
 ID ABG26669 standard; Protein; 564 AA.  
 XX  
 AC ABG26669;  
 XX  
 DT 18-FEB-2002 (first entry)  
 XX  
 DE Novel human diagnostic protein #26660.  
 XX  
 KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200175067-A2.  
 XX  
 PD 11-OCT-2001.  
 XX  
 XX 30-MAR-2001; 2001WO-US08631.  
 PF  
 XX 31-MAR-2000; 2000US-0540217.  
 PR  
 XX 23-AUG-2000; 2000US-0649167.  
 XX  
 PA (HYSE-) HYSEQ INC.  
 XX  
 XX Drmanac RT, Liu C, Tang YT;  
 PI  
 XX WPI: 2001-639362/73.  
 DR  
 XX N-PSDB; AAS90856.  
 PT

PT New isolated polynucleotide and encoded polypeptides, useful in  
 PT diagnostics, forensics, gene mapping, identification of mutations  
 PT responsible for genetic disorders or other traits and to assess  
 PT biodiversity  
 XX  
 XX Claim 20; SEQ ID No 57028; 103pp; English.  
 XX  
 CC The invention relates to isolated polynucleotide (I) and  
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 CC and gene mapping, and in recombinant production of (II). The  
 CC polynucleotides are also used in diagnostics as expressed sequence tags  
 CC for identifying expressed genes. (I) is useful in gene therapy techniques  
 CC to restore normal activity of (II) or to treat disease states involving  
 CC (II). (II) is useful for generating antibodies against it, detecting or  
 CC quantitating a polypeptide in tissue, as molecular weight markers and as  
 CC a food supplement. (II) and its binding partners are useful in medical  
 CC imaging of sites expressing (II). (I) and (II) are useful for treating  
 CC disorders involving aberrant protein expression or biological activity.  
 CC The polypeptide and polynucleotide sequences have applications in  
 CC diagnostics, forensics, gene mapping, identification of mutations  
 CC responsible for genetic disorders or other traits to assess biodiversity  
 CC and to produce other types of data and products dependent on DNA and  
 CC amino acid sequences. ABG00010-ABG30377 represent novel human  
 CC diagnostic amino acid sequences of the invention.  
 CC Note: The sequence data for this patent did not appear in the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 564 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 564;  
 Best Local Similarity 45.5%; Pred. No. 4.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 |||||:::  
 Db 237 EEVVPDFSQL 247  
 RESULT 123  
 ABB63003  
 ID ABB63003 standard; Protein; 600 AA.  
 XX  
 AC ABB63003;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE Drosophila melanogaster polypeptide SEQ ID NO 15801.  
 XX  
 KW Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 XX  
 OS Drosophila melanogaster.  
 XX  
 PN WO200171042-A2.  
 XX  
 PD 27-SEP-2001.  
 XX  
 XX 23-MAR-2001; 2001WO-US09231.  
 PF  
 XX 23-MAR-2000; 2000US-191637P.  
 PR  
 XX 11-JUL-2000; 2000US-0614150.  
 XX  
 PA (PEKE ) PE CORP NY.  
 XX  
 XX Venter JC, Adams M, Li PWD, Myers EW;  
 PI  
 XX WPI: 2001-656860/75.  
 DR  
 XX N-PSDB; ABL07106.  
 XX  
 XX New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell

PT interactions -  
 PS Disclosure; SEQ ID NO 15801; 21pp + Sequence Listing; English.  
 XX  
 CC The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from *Drosophila*. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (AB57737-AB572072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 600 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 600;  
 Best Local Similarity 45.5%; Pred. NO. 4.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 10;  
 QY 1 EEVVPXXXXXX 11  
 Db 450 EEVVPYAVALY 460  
 |||||:::;  
 RESULT 124  
 AAE18106  
 ID AAE18106 standard; Protein; 604 AA.  
 AC AAE18106;  
 XX  
 DT 07-MAY-2002 (first entry)  
 XX  
 DE Human nucleoside phosphatase molecule (NPM-1) from clone 62088.  
 KW Human; nucleoside phosphatase molecule; NPM-1; cardiovascular disorder;  
 KW lung; breast; ovary; cancer; arteriosclerosis; myocardial infarction;  
 KW ischemia; restenosis; coronary microembolism; tachycardia; bradycardia;  
 KW vascular heart disease; long-QT syndrome; congestive heart failure;  
 KW hypertension; atrial flutter; dilated cardiomyopathy; transgenic animal;  
 KW idiopathic cardiomyopathy; coronary artery disease; arrhythmia; cardiac;  
 KW immunogen; gene therapy; vasotropic; antiinflammatory; hypotensive;  
 KW cytosstatic; enzyme.  
 XX  
 OS Homo sapiens.  
 XX  
 FH Key Location/Qualifiers  
 FT Peptide 1..54  
 FT /label= Signal\_peptide  
 FT Protein 55..604  
 FT /label= Mature\_human\_NPM-1  
 FT Domain 29..47  
 FT /note= "Transmembrane domain"  
 FT Domain 75..536  
 FT /note= "Nucleoside phosphatase family domain"  
 FT Domain 84..102  
 FT /note= "Transmembrane domain"  
 FT Domain 552..570  
 FT /note= "Transmembrane domain"  
 XX  
 PN WO200206326-A2.  
 XX  
 PD 24-JAN-2002.  
 XX  
 PF 16-JUL-2001; 2001WO-US22354.  
 XX  
 PR 14-JUL-2000; 2000US-218385P.  
 XX  
 PA (MILL-) MILLENNIUM PHARM INC.  
 XX  
 PI Meyers R;

XX  
 DR WPI; 2002-171801/22.  
 DR N-PSDB; AAD29079.  
 XX  
 PT Novel isolated human nucleoside phosphatase-62088 polypeptides, for  
 PT treating cardiovascular disorders including arteriosclerosis, ischemia  
 PT reperfusion injury, restenosis and arterial inflammation -  
 XX  
 PS Claim 13; Fig 2; 110pp; English.  
 XX  
 CC The present invention relates to an isolated human nucleoside phosphatase  
 CC (NPM-1)-62088 polypeptide and its nucleic acid. The NPM-1 modulator is  
 CC useful for treating lung cancer, breast cancer or ovary cancer. NPM-1 is  
 CC useful as diagnostic and therapeutic agents for preventing a disease or  
 CC condition associated with an aberrant or unwanted NPM-1 activity in a  
 CC subject, including cardiovascular disorders, e.g. arteriosclerosis,  
 CC ischemia reperfusion injury, restenosis, arterial inflammation, vascular  
 CC wall remodeling, ventricular remodeling, rapid ventricular pacing,  
 CC coronary microembolism, tachycardia, bradycardia, pressure overload,  
 CC aortic bending, coronary artery ligation, vascular heart disease, atrial  
 CC fibrillation, long-QT syndrome, congestive heart failure, hypertension,  
 CC atrial fibrillation, atrial flutter, dilated cardiomyopathy, idiopathic  
 CC cardiomyopathy, myocardial infarction, coronary artery disease, coronary  
 CC artery spasm and arrhythmia. NPM-1 is useful in screening assays,  
 CC detection assays (e.g. forensic biology) and predictive medicine (e.g.  
 CC diagnostic assays, prognostic assays and monitoring clinical trials and  
 CC pharmacogenomics). NPM-1 is useful as an immunogen to generate antibody.  
 CC NPM-1 gene is useful in gene therapy and in chromosome mapping, to  
 CC identify an individual from a minute biological sample (tissue typing)  
 CC and to aid in forensic identification of the biological sample. NPM-1 is  
 CC useful for producing non-human transgenic animals. The present sequence  
 CC is human NPM-1.  
 XX  
 SQ Sequence 604 AA;  
 Query Match 100.0%; Score 31; DB 23; Length 604;  
 Best Local Similarity 45.5%; Pred. NO. 4.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 592 EEVVPMMGVQV 602  
 |||||:::;  
 RESULT 125  
 ABG08671  
 ID ABG08671 standard; Protein; 608 AA.  
 XX  
 AC ABG08671;  
 XX  
 DT 13-FEB-2002 (first entry)  
 XX  
 DE Novel human diagnostic protein #8662.  
 XX  
 KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO200175067-A2.  
 XX  
 PD 11-OCT-2001.  
 XX  
 PF 30-MAR-2001; 2001WO-US08631.  
 XX  
 PR 31-MAR-2000; 2000US-0540217.  
 PR 23-AUG-2000; 2000US-0649167.  
 XX  
 PA (HYSE-) HYSEQ INC.  
 XX  
 PI Drmanac RT, Liu C, Tang YT;  
 XX  
 DR WPI; 2001-639362/73.

DR N-PSDB; AAS72858.

XX New isolated polynucleotide and encoded polypeptides, useful in

PT diagnostics, forensics, gene mapping, identification of mutations

PT responsible for genetic disorders or other traits and to assess

PT biodiversity

XX Claim 20; SEQ ID NO 39030; 103pp; English.

XX The invention relates to isolated polynucleotide (I) and

CC polypeptide (II) sequences. (I) is useful as hybridisation probes,

CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome

CC and gene mapping, and in recombinant production of (II). The

CC polynucleotides are also used in diagnostics as expressed sequence tags

CC for identifying expressed genes. (I) is useful in gene therapy techniques

CC to restore normal activity of (II) or to treat disease states involving

CC (II). (II) is useful for generating antibodies against it, detecting or

CC quantitating a polypeptide in tissue, as molecular weight markers and as

CC a food supplement. (II) and its binding partners are useful in medical

CC imaging of sites expressing (II). (I) and (II) are useful for treating

CC disorders involving aberrant protein expression or biological activity.

CC The polypeptide and polynucleotide sequences have applications in

CC diagnostics, forensics, gene mapping, identification of mutations

CC responsible for genetic disorders or other traits to assess biodiversity

CC and to produce other types of data and products dependent on DNA and

CC amino acid sequences. ABG00010-ABG30377 represent novel human

CC diagnostic amino acid sequences of the invention.

CC Note: The sequence data for this patent did not appear in the printed

CC specification, but was obtained in electronic format directly from WIPO

CC at ftp.wipo.int/pub/published\_pot\_sequences.

XX Sequence 608 AA;

SQ

Query Match 100.0%; Score 31; DB 22; Length 608;

Best Local Similarity 45.5%; Pred. No. 4.8e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 318 EEVVPFLKLF 328

|||||:|||||

RESULT 126

AAR38888

ID AAR38888 standard; Protein; 622 AA.

XX

AC AAR38888;

XX

DT 25-FEB-1994 (first entry)

XX

DE Sequence encoded by ORF A of the long double-stranded cytoplasmic

DE RNA (L-dsRNA) present in the hypovirulent strain EP713.

XX

KW Hypovirulent; spore; pathogenic fungus; chestnut blight; papain;

KW hypovirulence associated virus; potyvirus; genetic element.

XX

OS Cryphonectria (Endothia) parasitica strain EP713.

XX

PN WC9316170-A.

XX

PD 19-AUG-1993.

XX

PF 03-FEB-1993; 93WO-US01024.

XX

PR 06-FEB-1992; 92US-0832117.

XX

XX (CHOI/) CHOI G H.

PA (NUSS/) NUSS D L.

PI Choi GH, Nuss DL;

XX

XX WPI; 1993-272875/34.

DR N-PSDB; AAQ47380.

XX Fungi and fungal spores or components - modified to confer

PT transmissible hypo-virulent phenotype, useful for controlling

PT fungal diseases, e.g. chestnut blight

XX

PS Claim 22; Fig 1; 69pp; English.

XX

CC Natural strains of *C. parasitica* which are hypovirulent contain a

CC cytoplasmic determinant that is transferred by hyphal anastomosis.

CC The determinant is a ds RNA species which is believed to be of viral

CC origin. The large dsRNA (L-dsRNA) present in hypovirulent *C.*

CC parasitica strain EP713 encodes two large polypeptides (AAR38888,

CC AAR38889) that undergo autoproteolytic processing during translation.

CC The AA sequences of these polypeptides contain five domains with

CC significant similarity to conserved domains within the protein

CC products encoded by members of the potyvirus gp. of +ve strand RNA

CC plant viruses, and a common ancestry is implied. The term

CC hypovirulence-associated virus (HAV) is used to denote this class

CC of genetic element. ORF encodes two polypeptides, p29 and p40, that

CC are released from a polypeptide, p69, by autocatalysis mediated by

CC p29. Cleavage occurs between Gly-248 and Gly-249 during translation

CC and is dependent on residues Cys-162 and His-215. Expression of ORF

CC B also involves an autoproteolytic event in which a 48 kDa

CC polypeptide, designated p48, is released from the N-terminal of the

CC encoded polypeptide. Cleavage of p48 occurs between Gly-418 and

CC Ala-419 and is dependent upon residues Cys-341 and His-388. Both

CC p29 and p48 resemble papain-like proteases. Putative RNA-dependent

CC RNA polymerases and RNA helicase motifs have been located in the

CC C-terminal half of ORF B.

XX

SQ Sequence 622 AA;

Query Match 100.0%; Score 31; DB 14; Length 622;

Best Local Similarity 45.5%; Pred. No. 5e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 31 EEVVPAGCITL 41

|||||:|||||

RESULT 127

ABB61622

ID ABB61622 standard; Protein; 655 AA.

XX

AC ABB61622;

XX

DT 26-MAR-2002 (first entry)

XX

DE Drosophila melanogaster polypeptide SEQ ID NO 11658.

XX

KW Drosophila; developmental biology; cell signalling; insecticide;

KW pharmaceutical.

XX

OS Drosophila melanogaster.

XX

PN WO200171042-A2.

XX

PD 27-SEP-2001.

XX

PF 23-MAR-2001; 2001WO-US09231.

XX

PR 23-MAR-2000; 2000US-191637P.

XX

PR 11-JUL-2000; 2000US-0614150.

XX

PA (PEKE ) PE CORP NY.

XX

XX Venter JC, Adams M, Li PWD, Myers EW;

PI WPI; 2001-656860/75.

XX

DR N-PSDB; ABL05725.

XX

XX New isolated nucleic acid detection reagent for detecting 1000 or more

PT genes from Drosophila and for elucidating cell signalling and cell-cell  
 PT interactions -  
 XX  
 PS Disclosure: SEQ ID NO 11658; 21pp + Sequence Listing; English.  
 CC  
 CC The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (AB57737-AB572072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 XX SQ Sequence 655 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 655;  
 Best Local Similarity 45.5%; Pred. NO. 5.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 37 EEVVPVKKRT 47  
 RESULT 128  
 ID AAR41753 standard; protein; 729 AA.  
 XX  
 XX AAR41753;  
 XX 29-MAR-1994 (first entry)  
 XX Catalase-R.  
 XX catR gene; A. niger; catalase-R; hydrogen peroxide; oxygen; water;  
 KW pH range; shelf life; beef liver catalase; contact lenses.  
 XX Aspergillus niger.  
 OS WO9317721-A.  
 PN 16-SEP-1993.  
 PD 04-MAR-1993; 93WO-US02018.  
 PF 04-MAR-1992; 92US-0845990.  
 XX (GEMV ) GENENCOR INT INC.  
 PA Berka RM, Fowler T, Vaha-Vahe P;  
 PI WPI; 1993-303156/38.  
 XX N-PSDB; AAQ48459.  
 DR Cleaning and disinfecting contact lenses - using hydrogen  
 PT peroxide soln. and decomposing residue on lenses with reduced  
 PT amt. of Aspergillus niger catalase R  
 XX Disclosure: Fig 5; 22pp; English.  
 PS  
 XX This sequence is encoded by the catR gene of A. niger and represents  
 CC the catalase-R protein. This enzyme catalyses the conversion of  
 CC hydrogen peroxide to oxygen and water. This enzyme is a soluble  
 CC cytoplasmic enzyme which is stable over a wide pH range, has an  
 CC extended shelf life and is resistant to deactivation in high  
 CC concentrations of hydrogen peroxide. Catalase-R is more effective  
 CC than beef liver catalase for neutralisation of concentrated (eg. 3%)  
 CC hydrogen peroxide solutions. This catalase may be used in the  
 CC cleaning and disinfecting of contact lenses.

XX SQ Sequence 729 AA;  
 Query Match 100.0%; Score 31; DB 14; Length 729;  
 Best Local Similarity 45.5%; Pred. NO. 5.9e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 338 EEVVPYPLGM 348  
 RESULT 129  
 ID AAR41543 standard; Protein; 730 AA.  
 XX  
 XX AAR41543;  
 XX 17-MAR-1994 (first entry)  
 XX Aspergillus niger catalase R.  
 DE Aspergillus niger; catalase; catR; hydrogen peroxide.  
 KW Aspergillus niger;  
 XX Aspergillus niger.  
 OS  
 XX Key Location/Qualifiers  
 FH Peptide 234..246  
 FT /label= Peptide 1.  
 FT /note= "Deduced amino acid sequence corresponding  
 FT to a peptide sequenced directly from the  
 FT catalase-R protein."  
 FT Peptide 246..257  
 FT /label= Peptide 5.  
 FT /note= "Deduced amino acid sequence corresponding  
 FT to a peptide sequenced directly from the  
 FT catalase-R protein."  
 FT Peptide 448..467  
 FT /label= Peptide 4.  
 FT /note= "Deduced amino acid sequence corresponding  
 FT to a peptide sequenced directly from the  
 FT catalase-R protein."  
 FT Peptide 487..499  
 FT /label= Peptide 3.  
 FT /note= "Deduced amino acid sequence corresponding  
 FT to a peptide sequenced directly from the  
 FT catalase-R protein."  
 FT Peptide 499..519  
 FT /label= Peptide 2.  
 FT /note= "Deduced amino acid sequence corresponding  
 FT to a peptide sequenced directly from the  
 FT catalase-R protein."  
 XX WO9318166-A.  
 PN 16-SEP-1993.  
 PD 04-MAR-1993; 93WO-US02020.  
 PF 04-MAR-1992; 92US-0845989.  
 XX 04-MAR-1992; 92US-0846181.  
 XX (GEMV ) GENENCOR INT INC.  
 PA Berka RM, Fowler T, Rey MW;  
 PI WPI; 1993-303480/38.  
 XX N-PSDB; Q46248.  
 DR Aspergillus niger catR gene sequence - from which catR promoter  
 PT has been Deleted and Aspergillus glucoamylase promoter gene has  
 PT been inserted  
 XX

PS Disclosure; Figure 2; 43pp; English.

XX The Aspergillus niger catr gene was identified and isolated. The

CC native promoter of the gene was removed and replaced with the

CC Aspergillus glucoamylase promoter gene. This modification allows

CC increased expression of the catr gene without the need to supply

CC hydrogen peroxide to induce expression. Cells into which this

CC construct is inserted preferably have the glucose oxidase gene

CC (goxA) deleted. This deletion minimises the generation of

CC gluconate waste material and the use of waste treatment processes.

XX

SQ Sequence 730 AA;

Query Match 100.0%; Score 31; DB 14; Length 730;

Best Local Similarity 45.5%; Pred. No. 5.9e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 339 EEVVPYPLGM 349

RESULT 130

AAM93207

ID AAM93207 standard; Protein; 739 AA.

XX AC AAM93207;

XX DT 06-NOV-2001 (first entry)

XX DE Human polypeptide, SEQ ID NO: 2601.

XX DE Human; full length cDNA; cDNA synthesis; oligo-capping.

XX OS Homo sapiens.

XX PN EP1130094-A2.

XX PD 05-SEP-2001.

XX PF 07-JUL-2000; 2000EP-0114089.

XX PR 08-JUL-1999; 99JP-0194486.

XX PR 11-JAN-2000; 2000JP-0118774.

XX PR 02-MAY-2000; 2000JP-0183765.

XX PA (HELI-) HELIX RES INST.

XX PI Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;

PI Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;

XX WPI: 2001-524255/58.

XX N-PSDB; AAK94115.

XX

XX 830 Primers useful for synthesizing full length cDNA clones and their

PT use in genetic manipulation -

PS Disclosure; SEQ ID NO 2601; 1380pp + sequence listing; English.

XX

XX The invention relates to primers for synthesising full length cDNA

CC clones. 830 cDNA molecules encoding a human protein have been

CC isolated and nucleotide sequences of 5'- and 3'-ends of the cDNA

CC molecules have been determined. Primers for synthesising the full length

CC cDNA are useful for clarifying the function of the protein encoded by

CC the cDNA. The full length clones were obtained by construction of full

CC length enriched cDNA libraries that were synthesised by the oligo-capping

CC method. The primers enable the production of the full length cDNA easily

CC without any special methods. The present sequence is a polypeptide

CC provided in the specification.

CC Note: The sequence data for this patent did not form part of the printed

CC specification, but was obtained in CD-ROM format directly from EP0.

XX

SQ Sequence 739 AA;

Query Match 100.0%; Score 31; DB 22; Length 739;

Best Local Similarity 45.5%; Pred. No. 6e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 568 EEVVPNVIEPS 578

RESULT 131

AAM40225

ID AAM40225 standard; Protein; 748 AA.

XX AC AAM40225;

XX DT 22-OCT-2001 (first entry)

XX DE Human polypeptide SEQ ID NO 3370.

XX OS Homo sapiens.

XX PN WO200153312-A1.

XX PD 26-JUL-2001.

XX PF 26-DEC-2000; 2000WO-US34263.

XX PR 21-JAN-2000; 2000US-0488725.

XX PR 25-APR-2000; 2000US-0552317.

XX PR 09-JUL-2000; 2000US-0598042.

XX PR 19-JUL-2000; 2000US-0620312.

XX PR 03-AUG-2000; 2000US-0653450.

XX PR 14-SEP-2000; 2000US-0662191.

XX PR 19-OCT-2000; 2000US-0693036.

XX PR 29-NOV-2000; 2000US-0727344.

XX PA (HYSE-) HYSEQ INC.

XX PI Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;

PI Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J;

PI Zhao QA, Zhou P, Goodrich R, Drmanac RT;

XX WPI: 2001-442253/47.

XX N-PSDB; AAI59381.

XX

XX Novel nucleic acids and polypeptides, useful for treating disorders

PT such as central nervous system injuries -

XX Example 5; SEQ ID NO 3370; 10078pp; English.

XX

XX The invention relates to human nucleic acids (AAI57798-AAI61369) and

CC the encoded polypeptides (AAM38642-AAAM42213) with nootropic,

CC immunosuppressant and cytostatic activity. The polynucleotides are useful

CC in gene therapy. A composition containing a polypeptide or polynucleotide

CC of the invention may be used to treat diseases of the peripheral nervous

CC system, such as peripheral nervous injuries, peripheral neuropathy and

CC localised neuropathies and central nervous system diseases, such as

CC Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic

CC lateral sclerosis, and Shy-Drager Syndrome. Other uses include the

CC utilisation of the activities such as: Immune system suppression,

CC Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic

CC and thrombolytic activity, cancer diagnosis and therapy, drug screening,

CC assays for receptor activity, arthritis and inflammation, leukaemias and

CC C.N.S disorders.

XX Note: The sequence data for this patent did not form part of the printed

AAB43831



ID AAB43831 standard; Protein; 766 AA.  
 XX AAB43831;  
 AC  
 XX 08-FEB-2001 (first entry)  
 DT  
 XX Human cancer associated protein séquence SEQ ID NO:1276.  
 DE  
 XX Human; cancer associated gene; cancer antigen; detection; cancer;  
 KW diagnosis; cytostatic; proliferative; vulnery; immunomodulator;  
 KW antidiabetic; antiasthmatic; antirheumatic; antiarthritic; antiviral;  
 KW dermatological; antithyroid; antiallergic; antibacterial; cardiant;  
 KW vasotropic; antiproliferative; thrombolytic; coagulant; nootropic;  
 KW immune disorder; antiproliferative; antihypertensive; inflammation;  
 KW allergic reaction; haematopoietic cell disorder; autoimmune disorder;  
 KW haemostatic; thrombolytic; cardiovascular disorder; infection;  
 KW neurological disease; drug screening.  
 XX  
 OS Homo sapiens.  
 XX WO200055350-A1.  
 PN  
 XX 21-SEP-2000.  
 PD  
 XX 08-MAR-2000; 2000WO-US05882.  
 XX  
 XX 12-MAR-1999; 99US-0124270.  
 PR  
 XX (HUMA-) HUMAN GENOME SCI INC.  
 PA  
 XX Rosen CA, Ruben SM;  
 PI  
 XX WPI: 2000-587533/55.  
 DR N-PSDB; AAC78040.  
 XX  
 XX Novel isolated nucleic acids comprising sequences encoding peptides  
 PT useful for treating or diagnosing e.g. cancer -  
 PT  
 XX Claim 11; Page 1911-1913; 2352pp; English.  
 PS  
 XX AAC77607 to AAC78448 encode the human cancer associated proteins given  
 CC in AAB43398 to AAB44239. The proteins can have activities based on the  
 CC tissues and cells the genes are expressed in. Example of activities  
 CC include: cytostatic; proliferative; vulnery; immunomodulator;  
 CC antidiabetic; antiasthmatic; antirheumatic; antiarthritic;  
 CC antiinflammatory; antithyroid; antiallergic; antibacterial; antiviral;  
 CC dermatological; neuroprotective; cardiant; thrombolytic; coagulant;  
 CC nootropic; vasotropic; antiproliferative and antihypertensive. The  
 CC polynucleotides and polypeptides can be used for preventing, treating or  
 CC ameliorating medical conditions and diagnosing pathological conditions.  
 CC Polynucleotides, polypeptides, antibodies, agonists and antagonists from  
 CC the present invention may be used to treat immune disorders by activating  
 CC or inhibiting the proliferation, differentiation or mobilisation of  
 CC immune cells, to treat disorders of haematopoietic cells, autoimmune  
 CC disorders, allergic reactions, graft versus host disease and organ  
 CC rejection, modulate haemostatic or thrombolytic activity, modulate  
 CC inflammation, cancers, cardiovascular disorders, neurological disease and  
 CC bacterial or viral infections. The peptides, nucleotides, antibodies,  
 CC agonists and antagonists may be also be used in drug screens. AAC78449 to  
 CC AAC78457 and AAB44240 represent sequences used in the exemplification of  
 CC the present invention.  
 XX  
 XX Sequence 766 AA;  
 SQ  
 Query Match 100.0%; Score 31; DB 21; Length 766;  
 Best Local Similarity 45.5%; Pred. No. 6.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPVXXXXX 11  
 |||||.....  
 Db 595 EEVVPNVIEFS 605

RESULT 135  
 ABP41543  
 ID ABP41543 standard; Protein; 766 AA.  
 XX  
 AC ABP41543;  
 XX  
 DT 22-AUG-2002 (first entry)  
 DE  
 XX Human ovarian antigen HPCYT73, SEQ ID NO:2675.  
 DE  
 XX Human; ovarian antigen; ovary; ovarian; breast; cancer; tumour;  
 KW ovarian cancer; breast cancer; tumour; reproductive system disorder;  
 KW infertility; pregnancy disorder; anovulation; polycystic ovary syndrome;  
 KW PCOS; ovarian cyst; dysmenorrhea; endocrine disorder; infection;  
 KW inflammatory condition; immune disorder; blood disorder;  
 KW cardiovascular disorder; respiratory disorder; neurological disorder;  
 KW gastrointestinal disorder; urinary system disorder; drug screening;  
 KW gene therapy; chromosome mapping; forensic analysis;  
 KW antibody preparation; cytostatic; immunomodulatory; neuroprotective;  
 KW antiinflammatory; gynaecological; reproductive; chromosome 7p15.  
 XX  
 OS Homo sapiens.  
 XX WO200200677-A1.  
 PN  
 XX 03-JAN-2002.  
 PD  
 XX 07-JUN-2001; 2001WO-US18569.  
 XX  
 XX 07-JUN-2000; 2000US-209467P.  
 PR  
 XX (HUMA-) HUMAN GENOME SCI INC.  
 PA  
 XX Birse CE, Rosen CA;  
 PI  
 XX WPI: 2002-147878/19.  
 DR N-PSDB; ABQ54620.  
 XX  
 XX Isolated nucleic acid molecules encoding novel ovarian polypeptides,  
 PT useful in the prevention, treatment and diagnosis of cancer (e.g.  
 PT ovarian cancer), immune disorders, cardiovascular disorders and  
 PT neurological diseases -  
 XX  
 PS Claim 11; SEQ ID No 2675; 2922pp; English.  
 CC The invention relates to 2175 novel human ovarian antigens (ABP41054-  
 CC ABP43228) and to cDNAs encoding them (ABQ54131-ABQ56305), and also  
 CC encompasses polypeptides 90% identical and polynucleotides 95% identical  
 CC to the sequences of the invention. The invention additionally relates to  
 CC recombinant vectors and host cells comprising human ovarian antigen  
 CC polynucleotides, antibodies against human ovarian antigens, and the use  
 CC of ovarian antigen polynucleotides and polypeptides in diagnosing,  
 CC treating, prognosing or preventing various ovary and/or breast-related  
 CC disorders. Such conditions include ovarian cancer and breast cancer, and  
 CC metastatic tumours of ovarian or breast origin, reproductive system  
 CC disorders (e.g., infertility, disorders of pregnancy, anovulation,  
 CC polycystic ovary syndrome, ovarian cysts, and dysmenorrhea), endocrine  
 CC disorders, infections (e.g., chlamydia, HIV, toxoplasmosis, and toxic  
 CC shock syndrome), inflammatory conditions (e.g., mastitis, oophoritis and  
 CC vaginitis), immune disorders (e.g., congenital and acquired  
 CC immunodeficiencies, autoimmune oophoritis, systemic lupus erythematosus),  
 CC blood-related disorders (e.g., anaemia), cardiovascular disorders,  
 CC respiratory disorders, neurological disorders, gastrointestinal disorders  
 CC and urinary system disorders. Ovarian antigen polypeptides and  
 CC polynucleotides may also be used in screening for compounds which  
 CC modulate ovarian antigen expression or activity. The polynucleotides may  
 CC further be used for gene therapy, chromosome mapping, in the  
 CC identification of individuals and in forensic analysis, and the  
 CC polypeptides may be used as food additives or to prepare antibodies  
 CC useful in disease diagnosis, drug targeting and phenotyping. The present  
 CC sequence represents a human ovarian antigen of the invention.  
 CC Note: The sequence data for this patent did not form part of the printed



DT 13-FEB-2002 (first entry)  
 XX Novel human diagnostic protein #6037.  
 DE Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 DE food supplement; medical imaging; diagnostic; genetic disorder.  
 KW Homo sapiens.  
 KW WO200175067-A2.  
 XX 11-OCT-2001.  
 PN 30-MAR-2001; 2001WO-US08631.  
 XX 31-MAR-2000; 2000US-0540217.  
 XX 23-AUG-2000; 2000US-0649167.  
 XX (HYSE-) HYSEQ INC.  
 PA Drmanac RT, Liu C, Tang YT;  
 PI WPI; 2001-639362/73.  
 DR N-PSDB; AAS70233.  
 XX New isolated polynucleotide and encoded polypeptides, useful in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits and to assess  
 XX biodiversity -  
 XX Claim 20; SEQ ID No 36405; 103pp; English.  
 XX The invention relates to isolated polynucleotide (I) and  
 XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 XX and gene mapping, and in recombinant production of (II). The  
 XX polynucleotides are also used in diagnostics as expressed sequence tags  
 XX for identifying expressed genes. (I) is useful in gene therapy techniques  
 XX to restore normal activity of (II) or to treat disease states involving  
 XX quantitating a polypeptide in tissue, as molecular weight markers and as  
 XX imaging of sites expressing (II). (I) and (II) are useful for treating  
 XX disorders involving aberrant protein expression or biological activity.  
 XX The polypeptide and polynucleotide sequences have applications in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits to assess biodiversity  
 XX and to produce other types of data and products dependent on DNA and  
 XX amino acid sequences. ABG00010-ABG30377 represent novel human  
 XX diagnostic amino acid sequences of the invention.  
 XX Note: The sequence data for this patent did not appear in the printed  
 XX specification, but was obtained in electronic format directly from WIPO  
 XX at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX Sequence 882 AA;  
 SQ Query Match 100.0%; Score 31; DB 22; Length 882;  
 Best Local Similarity 45.5%; Pred. No. 7.3e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
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 Db 531 EEVVPETPCEI 541  
 RESULT 139  
 ABG23361  
 ID ABG23361 standard; Protein: 887 AA.  
 XX AC ABG23361;  
 XX DT 18-FEB-2002 (first entry)  
 XX Drosophila melanogaster polypeptide SEQ ID NO 273.

DE Novel human diagnostic protein #23352.  
 XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX Homo sapiens.  
 XX WO200175067-A2.  
 XX 11-OCT-2001.  
 PN 30-MAR-2001; 2001WO-US08631.  
 XX 31-MAR-2000; 2000US-0540217.  
 XX 23-AUG-2000; 2000US-0649167.  
 XX (HYSE-) HYSEQ INC.  
 PA Drmanac RT, Liu C, Tang YT;  
 PI WPI; 2001-639362/73.  
 DR N-PSDB; AAS87548.  
 XX New isolated polynucleotide and encoded polypeptides, useful in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits and to assess  
 XX biodiversity -  
 XX Claim 20; SEQ ID No 53720; 103pp; English.  
 XX The invention relates to isolated polynucleotide (I) and  
 XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
 XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
 XX and gene mapping, and in recombinant production of (II). The  
 XX polynucleotides are also used in diagnostics as expressed sequence tags  
 XX for identifying expressed genes. (I) is useful in gene therapy techniques  
 XX to restore normal activity of (II) or to treat disease states involving  
 XX quantitating a polypeptide in tissue, as molecular weight markers and as  
 XX imaging of sites expressing (II). (I) and (II) are useful for treating  
 XX disorders involving aberrant protein expression or biological activity.  
 XX The polypeptide and polynucleotide sequences have applications in  
 XX diagnostics, forensics, gene mapping, identification of mutations  
 XX responsible for genetic disorders or other traits to assess biodiversity  
 XX and to produce other types of data and products dependent on DNA and  
 XX amino acid sequences. ABG00010-ABG30377 represent novel human  
 XX diagnostic amino acid sequences of the invention.  
 XX Note: The sequence data for this patent did not appear in the printed  
 XX specification, but was obtained in electronic format directly from WIPO  
 XX at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX Sequence 887 AA;  
 SQ Query Match 100.0%; Score 31; DB 22; Length 887;  
 Best Local Similarity 45.5%; Pred. No. 7.4e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXX 11  
 |||:||||:  
 Db 531 EEVVPETPCEI 541  
 RESULT 140  
 ABB57827  
 ID ABB57827 standard; Protein: 905 AA.  
 XX AC ABB57827;  
 XX DT 26-MAR-2002 (first entry)  
 XX Drosophila melanogaster polypeptide SEQ ID NO 273.



XX The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (ABB57737-ABB72072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX  
 SQ Sequence 941 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 941;  
 Best Local Similarity 45.5%; Pred. No. 7.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 168 EEVVPGRINN 178  
 RESULT 143  
 ABB63928  
 ID ABB63928 standard; Protein; 941 AA.  
 XX  
 AC ABB63928;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE Drosophila melanogaster polypeptide SEQ ID NO 18576.  
 XX  
 KW Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 XX  
 OS Drosophila melanogaster.  
 XX  
 PN W0200171042-A2.  
 XX  
 PD 27-SEP-2001.  
 XX  
 PF 23-MAR-2001; 2001WO-US09231.  
 XX  
 PR 23-MAR-2000; 2000US-191637P.  
 XX  
 PR 11-JUL-2000; 2000US-0614150.  
 XX  
 PA (PEKE ) PE CORP NY.  
 XX  
 PI Venter JC, Adams M, Li FWD, Myers EW;  
 XX  
 DR WPI; 2001-656860/75.  
 DR N-PSDB; ABL08031.  
 XX  
 PT New isolated nucleic acid detection reagent for detecting 1000 or more  
 PT genes from Drosophila and for elucidating cell signalling and cell-cell  
 PT interactions -  
 XX  
 PS Disclosure; SEQ ID NO 18576; 21pp + Sequence Listing; English.  
 XX  
 CC The invention relates to an isolated nucleic acid detection reagent  
 CC capable of detecting 1000 or more genes from Drosophila. The invention is  
 CC useful in developmental biology and in elucidating cell signalling and  
 CC cell-cell interactions in higher eukaryotes for the development of  
 CC insecticides, therapeutics and pharmaceutical drugs. The invention  
 CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
 CC sequences (ABL01840-ABL16175) and the encoded proteins  
 CC (ABB57737-ABB72072).  
 CC The sequence data for this patent did not form part of the printed  
 CC specification, but was obtained in electronic format directly from WIPO  
 CC at ftp.wipo.int/pub/published\_pct\_sequences.  
 XX

SQ Sequence 941 AA;  
 Query Match 100.0%; Score 31; DB 22; Length 941;  
 Best Local Similarity 45.5%; Pred. No. 7.8e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 Db 168 EEVVPGRINN 178  
 RESULT 144  
 AAG38945  
 ID AAG38945 standard; Protein; 1004 AA.  
 XX  
 AC AAG38945;  
 XX  
 DT 18-OCT-2000 (first entry)  
 XX  
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 48119.  
 XX  
 KW Protein identification; signal transduction pathway; metabolic pathway;  
 KW hybridisation assay; genetic mapping; gene expression control; promoter;  
 KW termination sequence.  
 XX  
 OS Arabidopsis thaliana.  
 XX  
 PN EP1033405-A2.  
 XX  
 PD 06-SEP-2000.  
 XX  
 PF 25-FEB-2000; 2000EP-0301439.  
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 PR 25-FEB-1999; 99US-0121825.  
 PR 05-MAR-1999; 99US-0123180.  
 PR 09-MAR-1999; 99US-0123548.  
 PR 23-MAR-1999; 99US-0125788.  
 PR 25-MAR-1999; 99US-0126264.  
 PR 29-MAR-1999; 99US-0126785.  
 PR 01-APR-1999; 99US-0127462.  
 PR 06-APR-1999; 99US-0128234.  
 PR 08-APR-1999; 99US-0128714.  
 PR 16-APR-1999; 99US-0129845.  
 PR 19-APR-1999; 99US-0130077.  
 PR 21-APR-1999; 99US-0130449.  
 PR 23-APR-1999; 99US-0130510.  
 PR 28-APR-1999; 99US-0130891.  
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 PR 30-APR-1999; 99US-0132048.  
 PR 04-MAY-1999; 99US-0132407.  
 PR 05-MAY-1999; 99US-0132484.  
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 PR 06-MAY-1999; 99US-0132486.  
 PR 07-MAY-1999; 99US-0132487.  
 PR 11-MAY-1999; 99US-0132863.  
 PR 14-MAY-1999; 99US-0134256.  
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 PR 14-MAY-1999; 99US-0134370.  
 PR 18-MAY-1999; 99US-0134768.  
 PR 19-MAY-1999; 99US-0134941.  
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 PR 21-MAY-1999; 99US-0135353.  
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 PR 01-JUN-1999; 99US-0137222.  
 PR 03-JUN-1999; 99US-0137528.  
 PR 04-JUN-1999; 99US-0137502.  
 PR 07-JUN-1999; 99US-0137724.  
 PR 08-JUN-1999; 99US-0138094.

PR 10-JUN-1999; 99US-0138540.  
PR 10-JUN-1999; 99US-0138847.  
PR 14-JUN-1999; 99US-0139119.  
PR 16-JUN-1999; 99US-0139452.  
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PR 17-JUN-1999; 99US-0139492.  
PR 17-JUN-1999; 99US-0139454.  
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PR 18-JUN-1999; 99US-0139457.  
PR 18-JUN-1999; 99US-0139458.  
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PR 21-JUN-1999; 99US-0139899.  
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PR 28-JUN-1999; 99US-0140823.  
PR 29-JUN-1999; 99US-0140991.  
PR 30-JUN-1999; 99US-0141287.  
PR 01-JUL-1999; 99US-0141844.  
PR 01-JUL-1999; 99US-0142154.  
PR 02-JUL-1999; 99US-0142055.  
PR 06-JUL-1999; 99US-0142390.  
PR 08-JUL-1999; 99US-0142803.  
PR 09-JUL-1999; 99US-0142920.  
PR 12-JUL-1999; 99US-0142977.  
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PR 14-JUL-1999; 99US-0143624.  
PR 15-JUL-1999; 99US-0144005.  
PR 16-JUL-1999; 99US-0144085.  
PR 16-JUL-1999; 99US-0144086.  
PR 19-JUL-1999; 99US-0144325.  
PR 19-JUL-1999; 99US-0144331.  
PR 19-JUL-1999; 99US-0144332.  
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PR 20-JUL-1999; 99US-0144352.  
PR 20-JUL-1999; 99US-0144632.  
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PR 21-JUL-1999; 99US-0145088.  
PR 22-JUL-1999; 99US-0145085.  
PR 22-JUL-1999; 99US-0145087.  
PR 22-JUL-1999; 99US-0145089.  
PR 22-JUL-1999; 99US-0145192.  
PR 23-JUL-1999; 99US-0145145.  
PR 23-JUL-1999; 99US-0145218.  
PR 23-JUL-1999; 99US-0145224.  
PR 26-JUL-1999; 99US-0145276.  
PR 27-JUL-1999; 99US-0145913.  
PR 27-JUL-1999; 99US-0145918.  
PR 27-JUL-1999; 99US-0145919.  
PR 28-JUL-1999; 99US-0145921.  
PR 02-AUG-1999; 99US-0146386.  
PR 02-AUG-1999; 99US-0146388.  
PR 03-AUG-1999; 99US-0146389.  
PR 03-AUG-1999; 99US-0147038.  
PR 04-AUG-1999; 99US-0147204.  
PR 04-AUG-1999; 99US-0147302.  
PR 05-AUG-1999; 99US-0147192.  
PR 05-AUG-1999; 99US-0147260.  
PR 06-AUG-1999; 99US-0147303.  
PR 06-AUG-1999; 99US-0147416.  
PR 09-AUG-1999; 99US-0147493.

PR 09-AUG-1999; 99US-0147935.  
PR 10-AUG-1999; 99US-0148171.  
PR 11-AUG-1999; 99US-0148319.  
PR 12-AUG-1999; 99US-0148341.  
PR 13-AUG-1999; 99US-0148565.  
PR 13-AUG-1999; 99US-0148684.  
PR 16-AUG-1999; 99US-0149368.  
PR 17-AUG-1999; 99US-0149175.  
PR 18-AUG-1999; 99US-0149426.  
PR 20-AUG-1999; 99US-0149722.  
PR 20-AUG-1999; 99US-0149723.  
PR 20-AUG-1999; 99US-0149929.  
PR 23-AUG-1999; 99US-0149902.  
PR 23-AUG-1999; 99US-0149930.  
PR 25-AUG-1999; 99US-0150566.  
PR 26-AUG-1999; 99US-0150884.  
PR 27-AUG-1999; 99US-0151065.  
PR 27-AUG-1999; 99US-0151066.  
PR 27-AUG-1999; 99US-0151080.  
PR 30-AUG-1999; 99US-0151303.  
PR 31-AUG-1999; 99US-0151438.  
PR 01-SEP-1999; 99US-0151930.  
PR 07-SEP-1999; 99US-0152363.  
PR 10-SEP-1999; 99US-0153070.  
PR 13-SEP-1999; 99US-0153758.  
PR 15-SEP-1999; 99US-0154018.  
PR 16-SEP-1999; 99US-0154039.  
PR 20-SEP-1999; 99US-0154779.  
PR 22-SEP-1999; 99US-0155139.  
PR 23-SEP-1999; 99US-0155486.  
PR 24-SEP-1999; 99US-0155659.  
PR 28-SEP-1999; 99US-0156458.  
PR 29-SEP-1999; 99US-0156596.  
PR 04-OCT-1999; 99US-0157117.  
PR 05-OCT-1999; 99US-0157753.  
PR 06-OCT-1999; 99US-0157865.  
PR 07-OCT-1999; 99US-0158029.  
PR 08-OCT-1999; 99US-0158232.  
PR 12-OCT-1999; 99US-0158369.  
PR 13-OCT-1999; 99US-0159293.  
PR 13-OCT-1999; 99US-0159294.  
PR 13-OCT-1999; 99US-0159295.  
PR 14-OCT-1999; 99US-0159329.  
PR 14-OCT-1999; 99US-0159330.  
PR 14-OCT-1999; 99US-0159331.  
PR 14-OCT-1999; 99US-0159637.  
PR 14-OCT-1999; 99US-0159638.  
PR 18-OCT-1999; 99US-0159584.  
PR 21-OCT-1999; 99US-0160741.  
PR 21-OCT-1999; 99US-0160767.  
PR 21-OCT-1999; 99US-0160768.  
PR 21-OCT-1999; 99US-0160770.  
PR 21-OCT-1999; 99US-0160814.  
PR 21-OCT-1999; 99US-0160815.  
PR 22-OCT-1999; 99US-0160980.  
PR 22-OCT-1999; 99US-0160981.  
PR 22-OCT-1999; 99US-0160989.  
PR 25-OCT-1999; 99US-0161404.  
PR 25-OCT-1999; 99US-0161405.  
PR 25-OCT-1999; 99US-0161406.  
PR 26-OCT-1999; 99US-0161359.  
PR 26-OCT-1999; 99US-0161360.  
PR 26-OCT-1999; 99US-0161361.  
PR 28-OCT-1999; 99US-0161920.  
PR 28-OCT-1999; 99US-0161992.  
PR 28-OCT-1999; 99US-0161993.  
PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 1004;  
Best Local Similarity 45.5%; Pred. No. 8.4e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEWFPXXXXX 11

Db 235 EEVPPIPETK 245  
|||||:||||: 245  
Best Local Similarity 45.5%; Pred. No. 9.1e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

RESULT 145  
AAU14378  
ID AAU14378 standard; Protein; 1070 AA.  
XX AC AAU14378;  
XX DT 24-OCT-2001 (first entry)  
XX DE Human novel protein #249.  
XX KW Human; novel protein; Antianaemic; osteopathic; antiinflammatory;  
KW immunomodulatory; cytostatic; neuroprotective; vulnery; nootropic;  
KW anticonvulsant; antiarthritic; cerebroprotective; antifungal; antiviral;  
KW antibacterial; antiallergic; dermatological; haemostatic; antiasthmatic;  
KW thrombolytic; immunogen; antibody; gene therapy; neurological disorder;  
KW Parkinson's disease; inflammatory disorder; cancer; asthma; osteoporosis;  
KW tissue regeneration; immune disorder.  
XX OS Homo sapiens.  
XX PN WO200155437-A2.  
XX PD 02-AUG-2001.  
XX PF 25-JAN-2001; 2001WO-US02623.  
XX PR 25-JAN-2000; 2000US-0491404.  
XX PA (HYSE-) HYSEQ INC.  
XX PI Tang YT, Liu C, Drmanac RT;  
XX WPI; 2001-451939/48.  
XX DR N-PSDB; AAS22683.  
XX PT Isolated polypeptides useful for treating anti-inflammatory diseases,  
XX nervous system disorders, and for regenerating bone and cartilage -  
XX Example 4; Page 790-792; 894pp; English.  
XX CC The invention relates to polynucleotides encoding novel human  
XX proteins or their active domains. The polypeptides, polynucleotides and  
XX antibodies raised against the polypeptides are used in a method of  
XX treatment of a mammal and prevention of disorders caused by the aberrant  
XX protein expression or activity. The polypeptides can be used as  
XX molecular weight markers, food supplements, and in antibody production.  
XX The polypeptides are used to identify compounds which bind to the  
XX polypeptides. Polynucleotides of the invention are used as probes and  
XX primers, for sequencing, for chromosome or gene mapping, in the  
XX production of recombinant proteins, and in generating anti-sense DNA or  
XX RNA and in gene therapy. Polypeptides of the invention can be used to  
XX target drugs to a tumour, in assays to determine biological activity, to  
XX raise antibodies/elicite an immune response, to determine quantitative  
XX protein levels, as tissue markers, and to isolate receptors or ligands.  
XX Polypeptides of the invention may also be useful in treating platelet  
XX disorders, stem cell disorders, regenerating bone, cartilage, tendon,  
XX ligament and/or nerve tissue, wound healing, treating burns, promoting  
XX the proliferation, differentiation and survival of stem cells, as a  
XX contraceptive, treating osteoporosis and osteoarthritis, anaemia,  
XX Alzheimer's, Parkinson's and Huntington's diseases, amyotrophic lateral  
XX sclerosis, stroke, immune deficiencies resulting from bacterial, viral or  
XX fungal infection or from autoimmunity, cancer, allergy, asthma,  
XX graft-versus-host disease, eczema, haemophilia, thrombosis,  
XX anti-inflammatory diseases, nervous system disorders, and infection.  
XX The present sequence represents a protein of the invention.  
XX Sequence 1070 AA;  
XX Query Match 100.0%; Score 31; DB 22; Length 1070;

Best Local Similarity 45.5%; Pred. No. 9.1e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|:|||||:|  
Db 164 EEVPRGGSVS 174

RESULT 146  
AAG38944  
ID AAG38944 standard; Protein; 1083 AA.  
XX AC AAG38944;  
XX DT 18-OCT-2000 (first entry)  
XX DE Arabidopsis thaliana protein fragment SEQ ID NO: 48118.  
XX KW Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.  
XX OS Arabidopsis thaliana.  
XX PN EP1033405-A2.  
XX PD 06-SEP-2000.  
XX PF 25-FEB-2000; 2000EP-0301439.  
XX PR 25-FEB-1999; 99US-0121825.  
XX PR 05-MAR-1999; 99US-0123180.  
XX PR 09-MAR-1999; 99US-0123548.  
XX PR 23-MAR-1999; 99US-0125788.  
XX PR 25-MAR-1999; 99US-0126264.  
XX PR 29-MAR-1999; 99US-0126785.  
XX PR 01-APR-1999; 99US-0127462.  
XX PR 06-APR-1999; 99US-0128234.  
XX PR 08-APR-1999; 99US-0128714.  
XX PR 16-APR-1999; 99US-0129845.  
XX PR 19-APR-1999; 99US-0130077.  
XX PR 21-APR-1999; 99US-0130449.  
XX PR 23-APR-1999; 99US-0130510.  
XX PR 23-APR-1999; 99US-0130891.  
XX PR 28-APR-1999; 99US-0131449.  
XX PR 30-APR-1999; 99US-0132048.  
XX PR 30-APR-1999; 99US-0132407.  
XX PR 04-MAY-1999; 99US-0132484.  
XX PR 05-MAY-1999; 99US-0132485.  
XX PR 06-MAY-1999; 99US-0132486.  
XX PR 06-MAY-1999; 99US-0132487.  
XX PR 07-MAY-1999; 99US-0132863.  
XX PR 11-MAY-1999; 99US-0134256.  
XX PR 14-MAY-1999; 99US-0134218.  
XX PR 14-MAY-1999; 99US-0134219.  
XX PR 14-MAY-1999; 99US-0134221.  
XX PR 14-MAY-1999; 99US-0134370.  
XX PR 18-MAY-1999; 99US-0134768.  
XX PR 19-MAY-1999; 99US-0134941.  
XX PR 20-MAY-1999; 99US-0135124.  
XX PR 21-MAY-1999; 99US-0135353.  
XX PR 24-MAY-1999; 99US-0135629.  
XX PR 25-MAY-1999; 99US-0136021.  
XX PR 27-MAY-1999; 99US-0136392.  
XX PR 28-MAY-1999; 99US-0136782.  
XX PR 01-JUN-1999; 99US-0137222.  
XX PR 03-JUN-1999; 99US-0137528.  
XX PR 04-JUN-1999; 99US-0137502.  
XX PR 07-JUN-1999; 99US-0137724.  
XX PR 08-JUN-1999; 99US-0138094.  
XX PR 10-JUN-1999; 99US-0138540.  
XX PR 10-JUN-1999; 99US-0138847.  
XX PR 14-JUN-1999; 99US-0139119.

PR 16-JUN-1999; 99US-0139452.  
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 PR 17-JUN-1999; 99US-0139454.  
 PR 18-JUN-1999; 99US-0139455.  
 PR 18-JUN-1999; 99US-0139456.  
 PR 18-JUN-1999; 99US-0139457.  
 PR 18-JUN-1999; 99US-0139458.  
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 PR 18-JUN-1999; 99US-0139460.  
 PR 18-JUN-1999; 99US-0139461.  
 PR 18-JUN-1999; 99US-0139462.  
 PR 18-JUN-1999; 99US-0139463.  
 PR 18-JUN-1999; 99US-0139750.  
 PR 18-JUN-1999; 99US-0139763.  
 PR 21-JUN-1999; 99US-0139817.  
 PR 22-JUN-1999; 99US-0139889.  
 PR 23-JUN-1999; 99US-0140353.  
 PR 23-JUN-1999; 99US-0140354.  
 PR 24-JUN-1999; 99US-0140695.  
 PR 28-JUN-1999; 99US-0140823.  
 PR 29-JUN-1999; 99US-0140991.  
 PR 30-JUN-1999; 99US-0141287.  
 PR 01-JUL-1999; 99US-0141842.  
 PR 01-JUL-1999; 99US-0142154.  
 PR 02-JUL-1999; 99US-0142055.  
 PR 06-JUL-1999; 99US-0142390.  
 PR 08-JUL-1999; 99US-0142803.  
 PR 09-JUL-1999; 99US-0142920.  
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 PR 13-JUL-1999; 99US-0143542.  
 PR 14-JUL-1999; 99US-0143624.  
 PR 15-JUL-1999; 99US-0144005.  
 PR 16-JUL-1999; 99US-0144085.  
 PR 16-JUL-1999; 99US-0144086.  
 PR 19-JUL-1999; 99US-0144325.  
 PR 19-JUL-1999; 99US-0144331.  
 PR 19-JUL-1999; 99US-0144332.  
 PR 19-JUL-1999; 99US-0144333.  
 PR 19-JUL-1999; 99US-0144334.  
 PR 19-JUL-1999; 99US-0144335.  
 PR 20-JUL-1999; 99US-0144352.  
 PR 20-JUL-1999; 99US-0144632.  
 PR 20-JUL-1999; 99US-0144884.  
 PR 21-JUL-1999; 99US-0144814.  
 PR 21-JUL-1999; 99US-0145086.  
 PR 21-JUL-1999; 99US-0145088.  
 PR 22-JUL-1999; 99US-0145085.  
 PR 22-JUL-1999; 99US-0145087.  
 PR 22-JUL-1999; 99US-0145089.  
 PR 22-JUL-1999; 99US-0145192.  
 PR 23-JUL-1999; 99US-0145145.  
 PR 23-JUL-1999; 99US-0145218.  
 PR 23-JUL-1999; 99US-0145224.  
 PR 26-JUL-1999; 99US-0145276.  
 PR 27-JUL-1999; 99US-0145913.  
 PR 27-JUL-1999; 99US-0145918.  
 PR 27-JUL-1999; 99US-0145919.  
 PR 28-JUL-1999; 99US-0145951.  
 PR 02-AUG-1999; 99US-0146386.  
 PR 02-AUG-1999; 99US-0146388.  
 PR 02-AUG-1999; 99US-0146389.  
 PR 03-AUG-1999; 99US-0147038.  
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 PR 05-AUG-1999; 99US-0147192.  
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 PR 06-AUG-1999; 99US-0147303.  
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 PR 11-AUG-1999; 99US-0148319.

PR 12-AUG-1999; 99US-0148341.  
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 PR 13-AUG-1999; 99US-0148684.  
 PR 16-AUG-1999; 99US-0149368.  
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 PR 20-AUG-1999; 99US-0149722.  
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 PR 20-AUG-1999; 99US-0149929.  
 PR 23-AUG-1999; 99US-0149902.  
 PR 23-AUG-1999; 99US-0149930.  
 PR 25-AUG-1999; 99US-0150566.  
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 PR 27-AUG-1999; 99US-0151065.  
 PR 27-AUG-1999; 99US-0151066.  
 PR 27-AUG-1999; 99US-0151080.  
 PR 30-AUG-1999; 99US-0151303.  
 PR 31-AUG-1999; 99US-0151438.  
 PR 01-SEP-1999; 99US-0151930.  
 PR 07-SEP-1999; 99US-0152363.  
 PR 10-SEP-1999; 99US-0153070.  
 PR 13-SEP-1999; 99US-0153758.  
 PR 15-SEP-1999; 99US-0154018.  
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 PR 24-SEP-1999; 99US-0155659.  
 PR 28-SEP-1999; 99US-0156458.  
 PR 29-SEP-1999; 99US-0156596.  
 PR 04-OCT-1999; 99US-0157117.  
 PR 05-OCT-1999; 99US-0157753.  
 PR 06-OCT-1999; 99US-0157865.  
 PR 07-OCT-1999; 99US-0158029.  
 PR 08-OCT-1999; 99US-0158232.  
 PR 12-OCT-1999; 99US-0158369.  
 PR 13-OCT-1999; 99US-0159293.  
 PR 13-OCT-1999; 99US-0159294.  
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 PR 14-OCT-1999; 99US-0159637.  
 PR 18-OCT-1999; 99US-0159638.  
 PR 21-OCT-1999; 99US-0159584.  
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 PR 21-OCT-1999; 99US-0160767.  
 PR 21-OCT-1999; 99US-0160768.  
 PR 21-OCT-1999; 99US-0160770.  
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 PR 22-OCT-1999; 99US-0160815.  
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 PR 22-OCT-1999; 99US-0160989.  
 PR 25-OCT-1999; 99US-0161404.  
 PR 25-OCT-1999; 99US-0161405.  
 PR 25-OCT-1999; 99US-0161406.  
 PR 26-OCT-1999; 99US-0161359.  
 PR 26-OCT-1999; 99US-0161360.  
 PR 26-OCT-1999; 99US-0161361.  
 PR 28-OCT-1999; 99US-0161920.  
 PR 28-OCT-1999; 99US-0161992.  
 PR 28-OCT-1999; 99US-0161993.  
 PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 1083;  
 Best Local Similarity 45.5%; Pred. No. 9.2e+03;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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 Db 314 EEVVPPIPETK 324



AAU14142	
ID	AAU14142 standard; Protein; l194 AA.
XX	
AC	AAU14142;
XX	
DT	24-OCT-2001 (first entry)
XX	
DE	Human novel protein #13.
XX	
KW	Human; novel protein; Antianaemic; osteopathic; antinflammatory;
XX	immunomodulatory; cytostatic; neuroprotective; vulnery; nootropic;
KW	anticonvulsant; antiarthritic; cerebroprotective; antifungal; antiviral;
KW	antibacterial; antiallergic; dermatological; haemostatic; antiasthmatic;
KW	thrombolytic; immunogen; antibody; gene therapy; neurological disorder;
KW	Parkinson's disease; inflammatory disorder; cancer; asthma; osteoporosis;
KW	tissue regeneration; immune disorder.
XX	
OS	Homo sapiens.
XX	
PN	WO200155437-A2.
XX	
PD	02-AUG-2001.
XX	
PF	25-JAN-2001; 2001WO-US02623.
XX	
PR	25-JAN-2000; 2000US-0491404.
XX	
PA	(HYSE-) HYSEQ INC.
XX	
PI	Tang YT, Liu C, Drmanac RT;
XX	
DR	WPI: 2001-451939/48.
XX	
PT	N-PSDB; AAS22447.
XX	
PS	Isolated polypeptides useful for treating anti-inflammatory diseases,
XX	nervous system disorders, and for regenerating bone and cartilage -
XX	Example 4; Page 531-533; 894pp; English.
XX	
CC	The invention relates to polynucleotides encoding novel human
CC	proteins or their active domains. The polypeptides, polynucleotides and
CC	antibodies raised against the polypeptides are used in a method of
CC	treatment of a mammal and prevention of disorders caused by the aberrant
CC	protein expression or activity. The polypeptides can be used as
CC	molecular weight markers, food supplements, and in antibody production.
CC	The polypeptides are used to identify compounds which bind to the
CC	polypeptides. Polynucleotides of the invention are used as probes and
CC	primers, for sequencing, for chromosome or gene mapping, in the
CC	production of recombinant proteins, and in generating anti-sense DNA or
CC	rRNA and in gene therapy. Polypeptides of the invention can be used to
CC	target drugs to a tumour, in assays to determine biological activity, to
CC	raise antibodies/elicit an immune response, to determine quantitative
CC	protein levels, as tissue markers, and to isolate receptors or ligands.
CC	Polypeptides of the invention may also be useful in treating platelet
CC	disorders, stem cell disorders, regenerating bone, cartilage, tendon,
CC	ligament and/or nerve tissue, wound healing, treating burns, promoting
CC	the proliferation, differentiation and survival of stem cells, as a
CC	contraceptive, treating osteoporosis and osteoarthritis, anaemia,
CC	Alzheimer's, Parkinson's and Huntington's diseases, amyotrophic lateral
CC	sclerosis, stroke, immune deficiencies resulting from bacterial, viral or
CC	fungal infection or from autoimmunity, cancer, allergy, asthma,
CC	graft-versus-host disease, eczema, haemophilia, thrombosis,
CC	anti-inflammatory diseases, nervous system disorders, and infection.
CC	The present sequence represents a protein of the invention

RESULT 148

Db 164 EEVVPREGSVS 174

RESULT 149  
AAG38943  
ID AAG38943 standard; Protein; 1207 AA.  
XX  
AC AAG38943;  
XX  
DT 18-OCT-2000 (first entry)  
XX  
DE Arabidopsis thaliana protein fragment SEQ ID NO: 48117.  
XX  
KW Protein identification; signal transduction pathway; metabolic pathway;  
KW hybridisation assay; genetic mapping; gene expression control; promoter;  
KW termination sequence.  
XX  
OS Arabidopsis thaliana.  
XX  
PN EP1033405-A2.  
XX  
PD 06-SEP-2000.  
XX  
PF 25-FEB-2000; 2000EP-0301439.  
XX  
PR 25-FEB-1999; 99US-0121825.  
PR 05-MAR-1999; 99US-0123180.  
PR 09-MAR-1999; 99US-0123548.  
PR 23-MAR-1999; 99US-0125788.  
PR 25-MAR-1999; 99US-0126264.  
PR 29-MAR-1999; 99US-0126785.  
PR 01-APR-1999; 99US-0127462.  
PR 06-APR-1999; 99US-0128234.  
PR 08-APR-1999; 99US-0128714.  
PR 16-APR-1999; 99US-0129845.  
PR 19-APR-1999; 99US-0130077.  
PR 21-APR-1999; 99US-0130449.  
PR 23-APR-1999; 99US-0130510.  
PR 28-APR-1999; 99US-0130891.  
PR 30-APR-1999; 99US-0131449.  
PR 30-APR-1999; 99US-0132048.  
PR 30-APR-1999; 99US-0132407.  
PR 04-MAY-1999; 99US-0132484.  
PR 05-MAY-1999; 99US-0132485.  
PR 06-MAY-1999; 99US-0132486.  
PR 07-MAY-1999; 99US-0132487.  
PR 11-MAY-1999; 99US-0132863.  
PR 14-MAY-1999; 99US-0134256.  
PR 14-MAY-1999; 99US-0134218.  
PR 14-MAY-1999; 99US-0134219.  
PR 14-MAY-1999; 99US-0134221.  
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PR 19-MAY-1999; 99US-0134941.  
PR 20-MAY-1999; 99US-0135124.  
PR 21-MAY-1999; 99US-0135353.  
PR 24-MAY-1999; 99US-0135629.  
PR 25-MAY-1999; 99US-0136021.  
PR 27-MAY-1999; 99US-0136392.  
PR 28-MAY-1999; 99US-0136782.  
PR 01-JUN-1999; 99US-0137222.  
PR 03-JUN-1999; 99US-0137528.  
PR 04-JUN-1999; 99US-0137724.  
PR 07-JUN-1999; 99US-0137724.  
PR 08-JUN-1999; 99US-0138094.  
PR 10-JUN-1999; 99US-0138540.  
PR 10-JUN-1999; 99US-0138847.  
PR 14-JUN-1999; 99US-0139119.  
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PR 18-JUN-1999; 99US-0139454.  
PR 18-JUN-1999; 99US-0139455.  
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PR 18-JUN-1999; 99US-0139457.  
PR 18-JUN-1999; 99US-0139458.  
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PR 18-JUN-1999; 99US-0139461.  
PR 18-JUN-1999; 99US-0139462.  
PR 18-JUN-1999; 99US-0139463.  
PR 18-JUN-1999; 99US-0139750.  
PR 18-JUN-1999; 99US-0139763.  
PR 21-JUN-1999; 99US-0139817.  
PR 22-JUN-1999; 99US-0139899.  
PR 23-JUN-1999; 99US-0140353.  
PR 23-JUN-1999; 99US-0140354.  
PR 24-JUN-1999; 99US-0140695.  
PR 28-JUN-1999; 99US-0140823.  
PR 29-JUN-1999; 99US-0140991.  
PR 30-JUN-1999; 99US-0141287.  
PR 01-JUL-1999; 99US-0141842.  
PR 01-JUL-1999; 99US-0142154.  
PR 02-JUL-1999; 99US-0142055.  
PR 06-JUL-1999; 99US-0142390.  
PR 08-JUL-1999; 99US-0142803.  
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PR 15-JUL-1999; 99US-0144005.  
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PR 16-JUL-1999; 99US-0144086.  
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PR 19-JUL-1999; 99US-0144334.  
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PR 27-JUL-1999; 99US-0145919.  
PR 28-JUL-1999; 99US-0145951.  
PR 02-AUG-1999; 99US-0146386.  
PR 02-AUG-1999; 99US-0146388.  
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PR 03-AUG-1999; 99US-0147038.  
PR 04-AUG-1999; 99US-0147204.  
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PR 06-AUG-1999; 99US-0147303.  
PR 06-AUG-1999; 99US-0147416.  
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PR 10-AUG-1999; 99US-0148171.  
PR 11-AUG-1999; 99US-0148319.  
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PR 13-AUG-1999; 99US-0148684.  
PR 16-AUG-1999; 99US-0149368.  
PR 17-AUG-1999; 99US-0149175.

PR 18-AUG-1999; 99US-0149426.  
 PR 20-AUG-1999; 99US-0149722.  
 PR 20-AUG-1999; 99US-0149723.  
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 PR 27-AUG-1999; 99US-0151066.  
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 PR 31-AUG-1999; 99US-0151438.  
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 PR 07-SEP-1999; 99US-0152363.  
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 PR 21-OCT-1999; 99US-0160741.  
 PR 21-OCT-1999; 99US-0160767.  
 PR 21-OCT-1999; 99US-0160768.  
 PR 21-OCT-1999; 99US-0160770.  
 PR 21-OCT-1999; 99US-0160814.  
 PR 21-OCT-1999; 99US-0160815.  
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 PR 26-OCT-1999; 99US-0161360.  
 PR 26-OCT-1999; 99US-0161361.  
 PR 28-OCT-1999; 99US-0161920.  
 PR 28-OCT-1999; 99US-0161923.  
 PR 28-OCT-1999; 99US-0161993.  
 PR 29-OCT-1999; 99US-0162142.

Query Match 100.0%; Score 31; DB 21; Length 1207;  
 Best Local Similarity 45.5%; Pred. NO. 1e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPPXXXXX 11  
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 DB 438 EEVVPPIPETK 448

RESULT 150  
 AAY36851  
 ID AAY36851 standard; Protein; 1224 AA.  
 XX

AC AAY36851;  
 XX 07-OCT-1999 (first entry)  
 DT  
 DE Protein involved in intermediate metabolism of nucleic acids.  
 XX  
 XX Vaccine; eye disease; conventional trachoma; nonendemic trachoma;  
 KW paratrachoma; inclusion conjunctivitis; genital disease; perihhepatitis;  
 KW nongonococcal urethritis; epididymitis; cervicitis; salpingitis;  
 KW bartholinitis; pneumonia; venereal lymphogranulomatosis.  
 XX  
 OS Chlamydia trachomatis.  
 XX  
 PN WO9928475-A2.  
 PD 10-JUN-1999.  
 XX  
 XX 27-NOV-1998; 98WO-IB01939.  
 PF  
 XX 04-NOV-1998; 98US-0107077.  
 PR 28-NOV-1997; 97FR-0015041.  
 PR 17-DEC-1997; 97FR-0016034.  
 XX  
 PA (GEST ) GENSET.  
 XX  
 XX Griffais R;  
 XX WPI; 1999-371125/31.  
 XX  
 XX Genome sequence of Chlamydia trachomatis  
 PT  
 PS Disclosure; Page 725; 1755pp; English.  
 XX  
 CC AAY36754-Y37949 are encoded by open reading frames (ORFs) of the genome  
 CC of Chlamydia trachomatis (see AAY01425). The polypeptides can be used as  
 CC vaccines against Chlamydia trachomatis. Antisense and ribozyme sequences  
 CC trachomatis is responsible for a large number of diseases, e.g. eye  
 CC paratrachoma, and inclusion conjunctivitis; genital diseases such as  
 CC nongonococcal urethritis, epididymitis, cervicitis, salpingitis,  
 CC perihhepatitis, bartholinitis; pneumonia in breast feeding infants;  
 CC and venereal lymphogranulomatosis. The polypeptides of the invention  
 CC may be of use in treating these diseases.  
 XX  
 SQ Sequence 1224 AA;  
 Query Match 100.0%; Score 31; DB 20; Length 1224;  
 Best Local Similarity 45.5%; Pred. No. 1.1e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPPXXXXX 11  
 |||||:  
 DB 39 EEVVPIHKELT 49  
 RESULT 151  
 ABB59729  
 ID ABB59729 standard; Protein; 1376 AA.  
 XX  
 AC ABB59729;  
 XX  
 DT 26-MAR-2002 (first entry)  
 XX  
 DE Drosophila melanogaster polypeptide SEQ ID NO 5979.  
 XX  
 XX Drosophila; developmental biology; cell signalling; insecticide;  
 KW pharmaceutical.  
 KW  
 OS Drosophila melanogaster.  
 XX  
 XX WO200171042-A2.  
 XX



CC protects cells against cytotoxic effects of (A), particularly to protect  
 CC normal cells against (A) being used for treatment of cancers. Cells  
 CC transformed with (1) can be used to screen for agents that affect  
 CC multidrug resistance or are directly toxic to multidrug resistant cells,  
 CC i.e. potential therapeutics for multidrug-resistant cancers. Conferring  
 CC resistance to normal cells should allow an increase in the dose of (A)  
 CC that can be administered safely.

XX  
 SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 20; Length 1528;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 251 EEVVPVLVNNW 261

# RESULT 154

AAW74472  
 ID AAW74472 standard; Protein; 1528 AA.

XX AC AAW74472;

XX DT 18-MAY-1999 (first entry)

XX DE Mouse multidrug resistance-associated protein.

XX KW Multidrug resistance-associated protein; MDR; mouse; diagnosis;  
 KW MDR tumour cell identification; cancer therapy.

XX OS Mus sp.

XX PN US5882875-A.

XX PD 16-MAR-1999.

XX PF 05-JUN-1995; 95US-0462109.

XX PR 05-JUN-1995; 95US-0462109.

XX PR 27-OCT-1992; 92US-0966923.

XX PR 08-MAR-1993; 93US-0029340.

XX PR 26-OCT-1993; 93US-0141893.

XX PR 20-MAR-1995; 95US-0407207.

XX PA (TOOH ) UNIV QUEENS KINGSTON.

XX PI Cole SPC, Deeley RG;

XX DR WPI: 1999-214061/18.

XX DR N-PSDB; AAX21978.

XX PT Identifying a multidrug resistant tumour cell by contacting the cell  
 PT with an antibody/antigen-binding fragment - which binds to an  
 PT expressed protein encoded by multidrug resistance-associated protein  
 PT (MRP) nucleic acid

XX PS Claim 4; Column 87-98; 80pp; English.

XX CC This sequence is the mouse multidrug resistance-associated (MDR)  
 CC protein. The invention relates to a method for identifying a multidrug  
 CC resistant (MDR) tumour cell. Compositions and methods utilising the MDR  
 CC proteins can be used to treat patients with tumours displaying multidrug  
 CC resistance, particularly those displaying resistance to anthracyclines,  
 CC epipodophyllotoxins, vinca alkaloids, and hydrophobic drugs. The methods  
 CC for inhibiting/killing a MDR tumour cell can be useful for treating  
 CC breast cancer, leukaemias, fibrosarcomas, cervical cancer, gliomas,  
 CC thymomas, neuroblastomas and lung cancer. The MDR DNA sequences when  
 CC labeled are useful as molecular probes for diagnosing multidrug  
 CC resistance of a tumour (using cells from a tumour biopsy) and for  
 CC designing ribozymes which are capable of cleaving a single-stranded  
 CC nucleic acid encoding a protein having MRP activity. Recombinant

CC expression vectors containing human MDR coding sequences can be  
 CC transfected into a drug sensitive cell line to produce a protein in the  
 CC cell which confers MDR, protecting non-resistant non-tumour cells from  
 CC the effects of chemotherapeutics has major clinical importance. Cells  
 CC transformed with the MDR coding sequences are useful for testing  
 CC potential therapeutic agents for their effectiveness against MDR cells  
 CC and for identifying chemosensitisers of a therapeutic agent.

XX SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 20; Length 1528;  
 Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 251 EEVVPVLVNNW 261

# RESULT 155

AAW78874  
 ID AAY78874 standard; Protein; 1528 AA.

XX AC AAY78874;

XX DT 19-MAY-2000 (first entry)

XX DE Murine multidrug resistance protein (MRP) amino acid sequence.

XX KW Multidrug resistance protein; MRP; mouse; anthracycline; Vinca alkaloid;  
 KW epipodophyllotoxin; cancer; leukaemia.

XX OS Mus sp.

XX PN US6025473-A.

XX PD 15-FEB-2000.

XX PF 05-JUN-1995; 95US-0461384.

XX PR 27-OCT-1992; 92US-0966923.

XX PR 08-MAR-1993; 93US-0029340.

XX PR 26-OCT-1993; 93US-0141893.

XX PR 20-MAR-1995; 95US-0407207.

XX PA (TOOH ) UNIV QUEENS KINGSTON.

XX PI Cole SPC, Deeley RG;

XX DR WPI: 2000-181838/16.

XX DR N-PSDB; AAZ90194.

XX PT Isolated protein conferring multidrug resistance, to at least two drugs  
 PT selected from anthracyclines, epipodophyllotoxins and Vinca alkaloids,  
 PT on a drug sensitive mammalian cell.

XX PS Claim 18; Column 97-106; 78pp; English.

XX CC This sequence represents a murine multidrug resistance protein (MRP)  
 CC amino acid sequence. MRP confers multidrug resistance, including  
 CC resistance to at least two drugs selected from anthracyclines,  
 CC epipodophyllotoxins and Vinca alkaloids, on a drug sensitive mammalian  
 CC cell, when the protein is expressed in the cell. The multidrug resistance  
 CC is not substantially reversed by chemosensitizers which reverse  
 CC P-glycoprotein-mediated multidrug resistance. The MRP protein and  
 CC nucleotide sequences can be used in compositions which are used to treat  
 CC patients with tumours displaying multidrug resistance. The compositions  
 CC and methods of the invention can be used particularly to treat breast  
 CC cancer, leukaemias, fibrosarcomas, cervical cancer, gliomas, thymomas,  
 CC neuroblastomas, and lung cancer. Antibodies directed against MRP can be  
 CC used to inhibit the multidrug resistance of a multidrug resistant cell.

SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 21; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 251 EEVVPVLVNNW 261

RESULT 156

AAV55800  
ID AAV55800 standard; Protein; 1528 AA.

XX AC AAY55800;

XX DT 28-FEB-2000 (first entry)

XX DE Murine multidrug resistance-associated protein (MRP).

XX KW Chemosensitizer; multidrug resistance-associated protein; MRP; murine;  
KW therapeutic agent; P-glycoprotein-mediated multidrug resistance; lung;  
XX cancer.

XX OS Mus sp.

XX PN USG001563-A.

XX PD 14-DEC-1999.

XX PF 05-JUN-1995; 95US-0463179.

XX PR 27-OCT-1992; 92US-0966923.

XX PR 08-MAR-1993; 93US-0029340.

XX PR 26-OCT-1993; 93US-0141893.

XX PR 20-MAR-1995; 95US-0407207.

XX PA (TOOH) UNIV QUEENS KINGSTON.

XX PI Cole SP, Deeley RG;

XX DR WPI; 2000-061877/05.

XX DR N-PSDB; AAZ39557.

XX PT Identification of chemosensitizers useful for treating cancer, using  
XX nucleic acids encoding multidrug resistance-associated protein -

XX PS Claim 3; Columns 87-106; 77pp; English.

XX CC The invention provides a method for identifying a substance which is a  
XX chemosensitizer that comprises, contacting a cell transfected with  
XX nucleic acid encoding multidrug resistance-associated protein (MRP) with  
XX a therapeutic agent in vitro. The method is useful for identifying  
XX chemosensitizers which may then be used to treat cancer (especially lung  
XX cancer). The method allows the identification of chemosensitizers which  
XX do not reverse P-glycoprotein-mediated multidrug resistance. The present  
XX sequence represents a murine MRP.

SQ Sequence 1528 AA;

Query Match 100.0%; Score 31; DB 21; Length 1528;  
Best Local Similarity 45.5%; Pred. No. 1.3e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 251 EEVVPVLVNNW 261

RESULT 157

ABG02199

ID ABG02199 standard; Protein; 2012 AA.

XX AC

XX ABG02199;

XX DT 13-FEB-2002 (first entry)

XX DE Novel human diagnostic protein #2190.

XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder.

XX OS Homo sapiens.

XX PN WO200175067-A2.

XX PD 11-OCT-2001.

XX PF 30-MAR-2001; 2001WO-US08631.

XX PR 31-MAR-2000; 2000US-0540217.

XX PR 23-AUG-2000; 2000US-0649167.

XX PA (HYSE-) HYSEQ INC.

XX PI Drmanac RT, Liu C, Tang YT;

XX DR WPI; 2001-639362/73.

XX DR N-PSDB; AAS66386.

XX PT New isolated polynucleotide and encoded polypeptides, useful in  
XX diagnostics, forensics, gene mapping, identification of mutations  
XX responsible for genetic disorders or other traits and to assess  
XX biodiversity

XX PS Claim 20; SEQ ID No 32558; 103pp; English.

XX CC The invention relates to isolated polynucleotide (I) and  
XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
XX and gene mapping, and in recombinant production of (II). The  
XX polynucleotides are also used in diagnostics as expressed sequence tags  
XX for identifying expressed genes. (I) is useful in gene therapy techniques  
XX to restore normal activity of (II) or to treat disease states involving  
XX (II). (II) is useful for generating antibodies against it, detecting or  
XX quantitating a polypeptide in tissue, as molecular weight markers and as  
XX a food supplement. (II) and its binding partners are useful in medical  
XX imaging of sites expressing (II). (I) and (II) are useful for treating  
XX disorders involving aberrant protein expression or biological activity.  
XX The polypeptide and polynucleotide sequences have applications in  
XX diagnostics, forensics, gene mapping, identification of mutations  
XX responsible for genetic disorders or other traits to assess biodiversity  
XX and to produce other types of data and products dependent on DNA and  
XX amino acid sequences. ABG0010-ABG30377 represent novel human  
XX diagnostic amino acid sequences of the invention.  
XX Note: The sequence data for this patent did not appear in the printed  
XX specification, but was obtained in electronic format directly from WIPO  
XX at ftp.wipo.int/pub/published\_pct\_sequences.

SQ Sequence 2012 AA;

Query Match 100.0%; Score 31; DB 22; Length 2012;  
Best Local Similarity 45.5%; Pred. No. 1.8e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 318 EEVVPFLKLF 328

RESULT 158

AAW14748

ID AAW14748 standard; Protein; 2594 AA.

XX XX

XX AAW14748;

XX 13-MAY-1997 (first entry)  
 XX IgG-Fc binding protein encoded by 7.8 kb fragment of pNv11-ST.  
 XX Fragment 13; pNv11-ST; IgG-Fc binding protein; immunoglobulin; K17;  
 XX human; colonic epithelium; monoclonal antibody; K9; probe.  
 XX Homo sapiens.  
 XX W09527057-A1.  
 XX 12-OCT-1995.  
 XX 03-APR-1995; 95WO-JP00638.  
 XX 30-MAR-1995; 95JP-0109927.  
 XX 01-APR-1994; 94JP-0129487.  
 XX 24-AUG-1994; 94JP-0222547.  
 XX (CHUS) CHUGAI SEIYAKU KK.  
 XX Harada N, Morikawa M;  
 XX WPI; 1995-358632/46.  
 XX N-PSDB; AAT63073.  
 XX DNA derived from colonic epithelium encoding IgG-Fc binding protein  
 XX - used in the mapping and analysis of IgG-Fc binding protein mRNA  
 XX Claim 1; Page 71-84; 132pp; Japanese.  
 XX This sequence is encoded by fragment 13 which is a NotI/KpnI fragment  
 XX from pNv11-ST. This sequence represents a portion of the IgG-Fc binding  
 XX protein of human colonic epithelium. This sequence was used in the  
 XX isolation of the full length sequence given in AAW14749. mRNA isolated  
 XX from human colonic epithelial tissue was used to prepare a cDNA library.  
 XX This was screened using monoclonal antibodies K9 and K17 which bind to  
 XX the large and small components of the binding protein. Active clones,  
 XX see also AAT63077-81, were used to derive probes for screening a second  
 XX DNA library from human colonic epithelial tissue.  
 XX Sequence 2594 AA;  
 Query Match 100.0%; Score 31; DB 16; Length 2594;  
 Best Local Similarity 45.5%; Pred. No. 2.4e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 ID 1420 EEVVPDSCPLP 1430  
 DE  
 AC AAW73476;  
 XX 29-MAR-1999 (first entry)  
 XX Grapevine leafroll virus type 2 (GRLV-2) polyprotein.  
 XX GRLV-2; closterovirus; grape; tobacco; transgenic plant;  
 XX disease resistance; virus resistance; beet yellows virus;  
 XX tristeza virus; protease; methyltransferase; helicase.  
 XX Grapevine leafroll virus type 2.  
 XX W09853055-A1.  
 XX 26-NOV-1998.  
 XX

PF 20-MAY-1998; 98WO-US10313.  
 XX 20-MAY-1997; 97US-0047194.  
 XX (CORR) CORNELL RES FOUND INC.  
 XX Gonsalves D, Ling K, Zhu H;  
 XX WPI; 1999-045307/04.  
 XX N-PSDB; AAV08864 and AAV08874.  
 XX Grapevine leafroll virus (type 2) proteins and polypeptides - and  
 XX encoding DNA, useful e.g. to impart grapevine leafroll resistance to  
 XX grape and tobacco plants and detect grapevine leafroll virus  
 XX Claim 4; Page 25-33; 151pp; English.  
 XX This is the amino acid sequence of a 294 kDa polyprotein encoded by  
 XX open reading frame ORF1a (see AAV08864) of grapevine leafroll virus  
 XX type 2 (GRLV-2) RNA (see AAV08874). It contains conserved domains  
 XX characteristic of 2 papain-like proteases, a methyltransferase and  
 XX a helicase. The GRLV-2 genome includes 9 open reading frames  
 XX (see AAV08864-72) encoding the polyprotein, an RNA-dependent RNA  
 XX polymerase, heat shock proteins, coat proteins and other proteins  
 XX of unknown function (see AAW73476-84). These can be used to produce  
 XX antibodies useful to detect GRLV in samples e.g. by ELISA  
 XX (claimed). The nucleic acid molecules can be used to produce  
 XX probes and primers for such detection, and to transform host cells  
 XX (especially Agrobacterium vitis, Agrobacterium tumefaciens, grape,  
 XX citrus, beet or tobacco cells) and produce transgenic plants  
 XX (claimed). They can be used to impart GRLV-2 resistance to Vitis  
 XX scion or rootstock cultivars or Nicotiana cultivars (claimed).  
 XX Because extensive similarity exists between hsp70-related sequence  
 XX regions of GRLV-2 and other closteroviruses, the DNA may also be  
 XX used to impart beet yellows virus resistance to beet cultivars or  
 XX tristeza virus resistance to citrus scion cultivar/rootstock  
 XX cultivars (claimed).  
 XX Sequence 2639 AA;  
 Query Match 100.0%; Score 31; DB 20; Length 2639;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+04;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 EEVVPXXXXXX 11  
 ID 555 EEVVPDITPA 565  
 DE  
 AC ABG22214;  
 XX 18-FEB-2002 (first entry)  
 XX Novel human diagnostic protein #22205.  
 XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 XX food supplement; medical imaging; diagnostic; genetic disorder.  
 XX Homo sapiens.  
 XX W0200175067-A2.  
 XX 11-OCT-2001.  
 XX 30-MAR-2001; 2001WO-US08631.  
 XX 31-MAR-2000; 2000US-0540217.  
 XX 23-AUG-2000; 2000US-0649167.  
 XX

## RESULT 160

ABG22214  
 ID ABG22214 standard; Protein; 2957 AA.

AC ABG22214;  
 XX

DT 18-FEB-2002 (first entry)  
 XX

DE Novel human diagnostic protein #22205.  
 XX

KW Human; chromosome mapping; gene mapping; gene therapy; forensic;  
 KW food supplement; medical imaging; diagnostic; genetic disorder.  
 XX

OS Homo sapiens.  
 XX

PN W0200175067-A2.  
 XX

XX 11-OCT-2001.  
 PD

XX 30-MAR-2001; 2001WO-US08631.  
 PF

XX 31-MAR-2000; 2000US-0540217.  
 XX

PR 23-AUG-2000; 2000US-0649167.  
 PR

XX

PA (HYSE-) HYSEQ INC.  
PI Drmanac RT, Liu C, Tang YT;  
XX  
DR WPI; 2001-639362/73.  
DR N-PSDB; AAS86401.  
XX  
PT New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity  
XX  
PS Claim 20; SEQ ID NO 52573; 103pp; English.  
XX  
CC The invention relates to isolated polynucleotide (I) and  
CC polypeptide (II) sequences. (I) is useful as hybridisation probes,  
CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
CC and gene mapping, and in recombinant production of (II). The  
CC polynucleotides are also used in diagnostics as expressed sequence tags  
CC for identifying expressed genes. (I) is useful in gene therapy techniques  
CC to restore normal activity of (II) or to treat disease states involving  
CC (II). (II) is useful for generating antibodies against it, detecting or  
CC quantitating a polypeptide in tissue, as molecular weight markers and as  
CC a food supplement. (II) and its binding partners are useful in medical  
CC imaging of sites expressing (II). (I) and (II) are useful for treating  
CC disorders involving aberrant protein expression or biological activity.  
CC The polypeptide and polynucleotide sequences have applications in  
CC diagnostics, forensics, gene mapping, identification of mutations  
CC responsible for genetic disorders or other traits to assess biodiversity  
CC and to produce other types of data and products dependent on DNA and  
CC amino acid sequences. ABG00010-ABG30377 represent novel human  
CC diagnostic amino acid sequences of the invention.  
CC Note: The sequence data for this patent did not appear in the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 2957 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 2957;  
Best Local Similarity 45.5%; Pred. No. 2.8e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPVXXXXXX 11  
|||||:|||||  
Db 1523 EEVVPDSPCLP 1533  
  
RESULT 161  
ABB67210  
ID ABB67210 standard; Protein: 3263 AA.  
AC ABB67210;  
XX  
XX 26-MAR-2002 (first entry)  
DT  
DE Drosophila melanogaster polypeptide SEQ ID NO 28422.  
XX  
XX Drosophila; developmental biology; cell signalling; insecticide;  
KW pharmaceutical.  
KW Drosophila melanogaster.  
OS  
XX  
XX WO200171042-A2.  
PN  
XX  
XX 27-SEP-2001.  
PD  
XX  
XX 23-MAR-2001; 2001WO-US09231.  
PF  
XX  
XX 23-MAR-2000; 2000US-191637P.  
PR  
XX  
XX 11-JUL-2000; 2000US-0614150.  
PS  
XX  
XX (PEKE ) PE CORP NY.  
PA

PI Venter JC, Adams M, Li PWD, Myers EW;  
XX  
DR WPI; 2001-656860/75.  
DR N-PSDB; ABL11313.  
XX  
PT New isolated nucleic acid detection reagent for detecting 1000 or more  
PT genes from Drosophila and for elucidating cell signalling and cell-cell  
PT interactions  
XX  
PS Disclosure; SEQ ID NO 28422; 21pp + Sequence Listing; English.  
XX  
CC The invention relates to an isolated nucleic acid detection reagent  
CC capable of detecting 1000 or more genes from Drosophila. The invention is  
CC useful in developmental biology and in elucidating cell signalling and  
CC cell-cell interactions in higher eukaryotes for the development of  
CC insecticides, therapeutics and pharmaceutical drugs. The invention  
CC discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA  
CC sequences (ABL01840-ABL16175) and the encoded proteins  
CC (ABB57737-ABB72072).  
CC The sequence data for this patent did not form part of the printed  
CC specification, but was obtained in electronic format directly from WIPO  
CC at ftp.wipo.int/pub/published\_pct\_sequences.  
XX  
SQ Sequence 3263 AA;  
  
Query Match 100.0%; Score 31; DB 22; Length 3263;  
Best Local Similarity 45.5%; Pred. No. 3.1e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
  
QY 1 EEVVPVXXXXXX 11  
|||||:|||||  
Db 1600 EEVVPTEETPE 1610  
  
RESULT 162  
AAW14749  
ID AAW14749 standard; Protein: 5405 AA.  
XX  
XX AAW14749;  
XX  
XX 13-MAY-1997 (first entry)  
DT  
DE IgG-Fc binding protein.  
XX  
XX Fragment 13; pNV11-ST; IgG-Fc binding protein; immunoglobulin; K17;  
KW human; colonic epithelium; monoclonal antibody; K9; probe.  
KW  
XX Homo sapiens.  
OS  
XX WO9527057-A1.  
PN  
XX 12-OCT-1995.  
PD  
XX  
XX 03-APR-1995; 95WO-JP00638.  
PF  
XX  
XX 30-MAR-1995; 95JP-0109927.  
PR  
XX 01-APR-1994; 94JP-0129487.  
PR  
XX 24-AUG-1994; 94JP-0222547.  
XX  
XX (CHUS ) CHUGAI SEIYAKU KK.  
PA  
XX  
XX Harada N, Morikawa M;  
PI  
XX  
XX WPI; 1995-358632/46.  
DR  
XX N-PSDB; AAT63074.  
DR  
XX  
XX DNA derived from colonic epithelium encoding IgG-Fc binding protein  
PT - used in the mapping and analysis of IgG-Fc binding protein mRNA  
PT  
XX  
XX Claim 3; Page 86-113; 132pp; Japanese.  
PS  
XX  
XX This sequence represents the IgG-Fc binding protein of human colonic  
CC epithelium. This sequence was isolated using the sequence given in



CC AAW14748. mRNA isolated from human colonic epithelial tissue was used  
CC to prepare a cDNA library. This was screened using monoclonal  
CC antibodies K9 and K17 which bind to the large and small components of the  
CC binding protein. Active clones, see also AAT63077-81, were used to  
CC derive probes for screening a second DNA library from human colonic  
CC epithelial tissue.

XX SQ Sequence 5405 AA;

Query Match 100.0%; Score 31; DB 16; Length 5405;  
Best Local Similarity 45.5%; Pred. No. 5.4e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:.....

Db 1420 EEVVPDPCUP 1430

RESULT 163

ABB66811

ID ABB66811 standard; Protein; 6815 AA.

XX AC ABB66811;

XX DT 26-MAR-2002 (first entry)

XX DE Drosophila melanogaster polypeptide SEQ ID NO 27225.

XX KW Drosophila; developmental biology; cell signalling; insecticide;

XX OS Drosophila melanogaster.

XX PN WO200171042-A2.

XX PD 27-SEP-2001.

XX PF 23-MAR-2001; 2001WO-US09231.

XX PR 23-MAR-2000; 2000US-191637P.

XX PR 11-JUL-2000; 2000US-0614150.

XX PA (PEKE ) PE CORP NY.

XX PI Venter JC, Adams M, Li PWD, Myers EW;

XX WPI; 2001-656860/75.

XX DR N-PSDB; ABL10914.

XX PT New isolated nucleic acid detection reagent for detecting 1000 or more  
XX genes from Drosophila and for elucidating cell signalling and cell-cell  
XX interactions -  
XX Disclosure; SEQ ID NO 27225; 21pp + Sequence Listing; English.  
XX The invention relates to an isolated nucleic acid detection reagent  
XX capable of detecting 1000 or more genes from Drosophila. The invention is  
XX useful in developmental biology and in elucidating cell signalling and  
XX cell-cell interactions in higher eukaryotes for the development of  
XX insecticides, therapeutics and pharmaceutical drugs. The invention  
XX discloses genomic DNA sequences (AB516176-ABL30511), expressed DNA  
XX sequences (ABB57737-ABB72072).  
XX The sequence data for this patent did not form part of the printed  
XX specification, but was obtained in electronic format directly from WIPO  
XX at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 6815 AA;

Query Match 100.0%; Score 31; DB 22; Length 6815;

Best Local Similarity 45.5%; Pred. No. 6.9e+04;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:.....  
Db 4689 EEVPEPIVEE 4699

RESULT 164

ABG22216

ID ABG22216 standard; Protein; 7337 AA.

XX AC ABG22216;

XX DT 18-FEB-2002 (first entry)

XX DE Novel human diagnostic protein #22207.

XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;

XX KW food supplement; medical imaging; diagnostic; genetic disorder.

XX OS Homo sapiens.

XX PN WO200175067-A2.

XX PD 11-OCT-2001.

XX PF 30-MAR-2001; 2001WO-US08631.

XX PR 31-MAR-2000; 2000US-0540217.

XX PR 23-AUG-2000; 2000US-0649167.

XX PA (HYSE-) HYSEQ INC.

XX PI Drmanac RT, Liu C, Tang YT;

XX WPI; 2001-639362/73.

XX DR N-PSDB; AAS86403.

XX PT New isolated polynucleotide and encoded polypeptides, useful in  
XX diagnostics, forensics, gene mapping, identification of mutations  
XX responsible for genetic disorders or other traits and to assess  
XX biodiversity -  
XX Claim 20; SEQ ID NO 52575; 103pp; English.  
XX The invention relates to isolated polynucleotide (I) and  
XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
XX and gene mapping, and in recombinant production of (II). The  
XX polynucleotides are also used in diagnostics as expressed sequence tags  
XX for identifying expressed genes. (I) is useful in gene therapy techniques  
XX to restore normal activity of (II) or to treat disease states involving  
XX (II). (II) is useful for generating antibodies against it, detecting or  
XX quantitating a polypeptide in tissue, as molecular weight markers and as  
XX a food supplement. (II) and its binding partners are useful in medical  
XX imaging of sites expressing (II). (I) and (II) are useful for treating  
XX disorders involving aberrant protein expression or biological activity.  
XX The polypeptide and polynucleotide sequences have applications in  
XX diagnostics, forensics, gene mapping, identification of mutations  
XX responsible for genetic disorders or other traits to assess biodiversity  
XX and to produce other types of data and products dependent on DNA and  
XX amino acid sequences. ABG00010-ABG30377 represent novel human  
XX diagnostic amino acid sequences of the invention.  
XX Note: The sequence data for this patent did not appear in the printed  
XX specification, but was obtained in electronic format directly from WIPO  
XX at ftp.wipo.int/pub/published\_pct\_sequences.

XX SQ Sequence 7337 AA;

XX Query Match 100.0%; Score 31; DB 22; Length 7337;  
XX Best Local Similarity 45.5%; Pred. No. 7.5e+04;  
XX Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

|||||:.....

Thu May 29 17:38:54 2003

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Db . 674 EEVVPDSECLP 684

Search completed: May 29, 2003, 16:57:50  
Job time : 37 secs

[illegible]

93	31	100.0	135	9	US-10-187-886-444	Sequence 444, App	166	31	100.0	135	9	US-10-184-655-444	Sequence 444, App
94	31	100.0	135	9	US-10-199-464-444	Sequence 444, App	167	31	100.0	135	9	US-10-188-774-444	Sequence 444, App
95	31	100.0	135	9	US-10-176-751-444	Sequence 444, App	168	31	100.0	135	9	US-10-188-775-444	Sequence 444, App
96	31	100.0	135	9	US-10-176-760-444	Sequence 444, App	169	31	100.0	135	9	US-10-194-462-444	Sequence 444, App
97	31	100.0	135	9	US-10-176-990-444	Sequence 444, App	170	31	100.0	135	9	US-10-195-902-444	Sequence 444, App
98	31	100.0	135	9	US-10-180-541-444	Sequence 444, App	171	31	100.0	135	9	US-10-196-743-444	Sequence 444, App
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101	31	100.0	135	9	US-10-180-551-444	Sequence 444, App	174	31	100.0	135	9	US-10-196-762-444	Sequence 444, App
102	31	100.0	135	9	US-10-180-598-444	Sequence 444, App	175	31	100.0	135	9	US-10-197-695-444	Sequence 444, App
103	31	100.0	135	9	US-10-180-999-444	Sequence 444, App	176	31	100.0	135	9	US-09-990-437-359	Sequence 359, App
104	31	100.0	135	9	US-10-183-013-444	Sequence 444, App	177	31	100.0	135	9	US-09-998-156-359	Sequence 359, App
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## ALIGNMENTS

RESULT 1  
US-09-764-891-5174  
; Sequence 5174, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; PRIOR FILING DATE: 2001-01-17  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 5174  
; LENGTH: 61  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-764-891-5174  
Query Match 100.0%; Score 31; DB 9; Length 61;  
Best Local Similarity 45.5%; Pred. No. 97;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2

US-09-864-761-42102  
 ; Sequence 42102, Application US/09864761  
 ; Patent No. US20020048763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Penn, Sharon G.  
 ; APPLICANT: Rank, David R.  
 ; APPLICANT: Hanzel, David K.  
 ; APPLICANT: Chen, Wensheng  
 ; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 ; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
 ; FILE REFERENCE: Acomica-X-1  
 ; CURRENT APPLICATION NUMBER: US/09/864,761  
 ; CURRENT FILING DATE: 2001-05-23  
 ; PRIOR APPLICATION NUMBER: US 60/180,312  
 ; PRIOR FILING DATE: 2000-02-04  
 ; PRIOR APPLICATION NUMBER: US 60/207,456  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: US 09/632,366  
 ; PRIOR FILING DATE: 2000-08-03  
 ; PRIOR APPLICATION NUMBER: GB 24263.6  
 ; PRIOR FILING DATE: 2000-10-04  
 ; PRIOR APPLICATION NUMBER: US 60/236,359  
 ; PRIOR FILING DATE: 2000-09-27  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00666  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667  
 ; PRIOR FILING DATE: 2001-01-30  
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 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: PCT/US01/00670  
 ; PRIOR FILING DATE: 2001-01-30  
 ; PRIOR APPLICATION NUMBER: US 60/234,687  
 ; PRIOR FILING DATE: 2000-09-21  
 ; PRIOR APPLICATION NUMBER: US 09/608,408  
 ; PRIOR FILING DATE: 2000-06-30  
 ; PRIOR APPLICATION NUMBER: US 09/774,203  
 ; PRIOR FILING DATE: 2001-01-29  
 ; NUMBER OF SEQ ID NOS: 49117  
 ; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
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 ; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 8.7  
 ; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5.2  
 ; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5.1  
 ; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 3.9  
 ; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.6  
 ; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4  
 ; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.1

; OTHER INFORMATION: EST\_HUMAN HIT: BE897953.1, EVALUE 3.00e-22  
 ; OTHER INFORMATION: SWISSPROT HIT: P12957, EVALUE 4.20e-01  
 US-09-864-761-42102

Query Match 100.0%; Score 31; DB 10; Length 99;  
 Best Local Similarity 45.5%; Pred. No. 1.7e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 17 EEVVPALPTE 27  
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RESULT 3

US-09-852-797-68  
 ; Sequence 68, Application US/09852797  
 ; Patent No. US20020172994A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: 28 Human Secreted Proteins  
 ; FILE REFERENCE: P2003P2  
 ; CURRENT APPLICATION NUMBER: US/09/852,797  
 ; CURRENT FILING DATE: 2001-05-11  
 ; PRIOR APPLICATION NUMBER: 60/265,583  
 ; PRIOR FILING DATE: 2001-02-02  
 ; PRIOR APPLICATION NUMBER: 09/152,060  
 ; PRIOR FILING DATE: 1998-09-11  
 ; PRIOR APPLICATION NUMBER: PCT/US98/04858  
 ; PRIOR FILING DATE: 1998-03-12  
 ; PRIOR APPLICATION NUMBER: 60/040,762  
 ; PRIOR FILING DATE: 1997-03-14  
 ; PRIOR APPLICATION NUMBER: 60/040,710  
 ; PRIOR FILING DATE: 1997-03-14  
 ; PRIOR APPLICATION NUMBER: 60/050,934  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/048,100  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/048,357  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/048,189  
 ; PRIOR FILING DATE: 1997-05-30  
 ; PRIOR APPLICATION NUMBER: 60/057,765  
 ; PRIOR FILING DATE: 1997-09-05  
 ; PRIOR APPLICATION NUMBER: 60/048,970  
 ; PRIOR FILING DATE: 1997-06-06  
 ; PRIOR APPLICATION NUMBER: 60/068,368  
 ; PRIOR FILING DATE: 1997-12-19  
 ; NUMBER OF SEQ ID NOS: 118  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 68  
 ; LENGTH: 121  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-852-797-68

Query Match 100.0%; Score 31; DB 9; Length 121;  
 Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 Db 28 EEVVPGGGRSK 38  
 |||||:||||:

RESULT 4

US-09-852-797-85  
 ; Sequence 85, Application US/09852797  
 ; Patent No. US20020172994A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: 28 Human Secreted Proteins  
 ; FILE REFERENCE: P2003P2  
 ; CURRENT APPLICATION NUMBER: US/09/852,797

NAME/KEY: SITE



; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-853-161-85

Query Match 100.0%; Score 31; DB 10; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 7

US-09-852-659A-68  
; Sequence 68, Application US/09852659A  
; Patent No. US20020077287A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: P2003P4  
; CURRENT APPLICATION NUMBER: US/09/852,659A  
; CURRENT FILING DATE: 2001-05-11  
; PRIOR APPLICATION NUMBER: 60/265,583  
; PRIOR FILING DATE: 2001-02-02  
; PRIOR APPLICATION NUMBER: 09/152,060  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: PCT/US98/04858  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/040,762  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/040,710  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/050,934  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,100  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,357  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,189  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/057,765  
; PRIOR FILING DATE: 1997-09-05  
; PRIOR APPLICATION NUMBER: 60/048,970  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/068,368  
; PRIOR FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 68  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; NAME/KEY: SITE  
; LOCATION: (67)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

Query Match 100.0%; Score 31; DB 10; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 8

US-09-852-659A-85  
; Sequence 85, Application US/09852659A  
; Patent No. US20020077287A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 28 Human Secreted Proteins  
; FILE REFERENCE: P2003P4  
; CURRENT APPLICATION NUMBER: US/09/852,659A  
; CURRENT FILING DATE: 2001-05-11

; PRIOR APPLICATION NUMBER: 60/265,583  
; PRIOR FILING DATE: 2001-02-02  
; PRIOR APPLICATION NUMBER: 09/152,060  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: PCT/US98/04858  
; PRIOR FILING DATE: 1998-03-12  
; PRIOR APPLICATION NUMBER: 60/040,762  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/040,710  
; PRIOR FILING DATE: 1997-03-14  
; PRIOR APPLICATION NUMBER: 60/050,934  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,100  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,357  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/048,189  
; PRIOR FILING DATE: 1997-05-30  
; PRIOR APPLICATION NUMBER: 60/057,765  
; PRIOR FILING DATE: 1997-09-05  
; PRIOR APPLICATION NUMBER: 60/048,970  
; PRIOR FILING DATE: 1997-06-06  
; PRIOR APPLICATION NUMBER: 60/068,368  
; PRIOR FILING DATE: 1997-12-19  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 85  
; LENGTH: 121  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; NAME/KEY: SITE  
; LOCATION: (67)  
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

Query Match 100.0%; Score 31; DB 10; Length 121;  
Best Local Similarity 45.5%; Pred. No. 2.2e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 9

US-09-992-598-359  
; Sequence 359, Application US/09992598  
; Patent No. US20020160384A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC20  
CURRENT APPLICATION NUMBER: US/09/992,598  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
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PRIOR FILING DATE: 1998-06-04  
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PRIOR FILING DATE: 1998-06-05  
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PRIOR FILING DATE: 1998-06-09  
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PRIOR FILING DATE: 1998-06-10  
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PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25



; PRIOR APPLICATION NUMBER: 60/088876  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/089105  
; PRIOR FILING DATE: 1998-06-12  
; PRIOR APPLICATION NUMBER: 60/089440  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089512  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089514  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
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; PRIOR FILING DATE: 1998-06-17  
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; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089599  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089600  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089653  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089801  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089907  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089908  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19  
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; PRIOR APPLICATION NUMBER: 60/090254  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090355  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090429  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090431  
; PRIOR FILING DATE: 1998-06-24  
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; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
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; PRIOR FILING DATE: 1998-06-24  
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; PRIOR FILING DATE: 1998-06-24  
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; PRIOR FILING DATE: 1998-06-24  
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; PRIOR FILING DATE: 1998-06-24  
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; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090678  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090690  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695

; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090696  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090862  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.08; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
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## RESULT 11

US-09-989-735-359  
; Sequence 359, Application US/09989735  
; Publication No. US20020193299A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC61  
; CURRENT APPLICATION NUMBER: US/09/989, 735  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17

1	PRIOR APPLICATION NUMBER: 60/065186	1	PRIOR FILING DATE: 1998-06-16
2	PRIOR FILING DATE: 1997-11-12	2	PRIOR FILING DATE: 1998-06-16
3	PRIOR APPLICATION NUMBER: 60/065311	3	PRIOR APPLICATION NUMBER: 60/089532
4	PRIOR FILING DATE: 1997-11-13	4	PRIOR FILING DATE: 1998-06-17
5	PRIOR APPLICATION NUMBER: 60/066770	5	PRIOR APPLICATION NUMBER: 60/089538
6	PRIOR FILING DATE: 1997-11-24	6	PRIOR FILING DATE: 1998-06-17
7	PRIOR APPLICATION NUMBER: 60/075945	7	PRIOR APPLICATION NUMBER: 60/089598
8	PRIOR FILING DATE: 1998-02-25	8	PRIOR FILING DATE: 1998-06-17
9	PRIOR APPLICATION NUMBER: 60/078910	9	PRIOR APPLICATION NUMBER: 60/089599
10	PRIOR FILING DATE: 1998-03-20	10	PRIOR FILING DATE: 1998-06-17
11	PRIOR APPLICATION NUMBER: 60/083322	11	PRIOR APPLICATION NUMBER: 60/089600
12	PRIOR FILING DATE: 1998-04-28	12	PRIOR FILING DATE: 1998-06-17
13	PRIOR APPLICATION NUMBER: 60/084600	13	PRIOR APPLICATION NUMBER: 60/089653
14	PRIOR FILING DATE: 1998-05-07	14	PRIOR FILING DATE: 1998-06-17
15	PRIOR APPLICATION NUMBER: 60/087106	15	PRIOR APPLICATION NUMBER: 60/089801
16	PRIOR FILING DATE: 1998-05-28	16	PRIOR FILING DATE: 1998-06-17
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19	PRIOR APPLICATION NUMBER: 60/087609	19	PRIOR APPLICATION NUMBER: 60/089907
20	PRIOR FILING DATE: 1998-06-02	20	PRIOR FILING DATE: 1998-06-18
21	PRIOR APPLICATION NUMBER: 60/087759	21	PRIOR APPLICATION NUMBER: 60/089908
22	PRIOR FILING DATE: 1998-06-02	22	PRIOR FILING DATE: 1998-06-18
23	PRIOR APPLICATION NUMBER: 60/087827	23	PRIOR APPLICATION NUMBER: 60/089947
24	PRIOR FILING DATE: 1998-06-03	24	PRIOR FILING DATE: 1998-06-19
25	PRIOR APPLICATION NUMBER: 60/088021	25	PRIOR APPLICATION NUMBER: 60/089948
26	PRIOR FILING DATE: 1998-06-04	26	PRIOR FILING DATE: 1998-06-19
27	PRIOR APPLICATION NUMBER: 60/088025	27	PRIOR APPLICATION NUMBER: 60/089952
28	PRIOR FILING DATE: 1998-06-04	28	PRIOR FILING DATE: 1998-06-19
29	PRIOR APPLICATION NUMBER: 60/088026	29	PRIOR APPLICATION NUMBER: 60/090246
30	PRIOR FILING DATE: 1998-06-04	30	PRIOR FILING DATE: 1998-06-22
31	PRIOR APPLICATION NUMBER: 60/088028	31	PRIOR APPLICATION NUMBER: 60/090252
32	PRIOR FILING DATE: 1998-06-04	32	PRIOR FILING DATE: 1998-06-22
33	PRIOR APPLICATION NUMBER: 60/088029	33	PRIOR APPLICATION NUMBER: 60/090254
34	PRIOR FILING DATE: 1998-06-04	34	PRIOR FILING DATE: 1998-06-22
35	PRIOR APPLICATION NUMBER: 60/088030	35	PRIOR APPLICATION NUMBER: 60/090349
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38	PRIOR FILING DATE: 1998-06-04	38	PRIOR FILING DATE: 1998-06-23
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40	PRIOR FILING DATE: 1998-06-04	40	PRIOR FILING DATE: 1998-06-24
41	PRIOR APPLICATION NUMBER: 60/088167	41	PRIOR APPLICATION NUMBER: 60/090431
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43	PRIOR APPLICATION NUMBER: 60/088202	43	PRIOR APPLICATION NUMBER: 60/090435
44	PRIOR FILING DATE: 1998-06-05	44	PRIOR FILING DATE: 1998-06-24
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46	PRIOR FILING DATE: 1998-06-05	46	PRIOR FILING DATE: 1998-06-24
47	PRIOR APPLICATION NUMBER: 60/088217	47	PRIOR APPLICATION NUMBER: 60/090445
48	PRIOR FILING DATE: 1998-06-05	48	PRIOR APPLICATION NUMBER: 60/090472
49	PRIOR APPLICATION NUMBER: 60/088655	49	PRIOR APPLICATION NUMBER: 60/090472
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51	PRIOR APPLICATION NUMBER: 60/088734	51	PRIOR APPLICATION NUMBER: 60/090535
52	PRIOR FILING DATE: 1998-06-10	52	PRIOR APPLICATION NUMBER: 60/090540
53	PRIOR APPLICATION NUMBER: 60/088738	53	PRIOR APPLICATION NUMBER: 60/090542
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55	PRIOR APPLICATION NUMBER: 60/088742	55	PRIOR APPLICATION NUMBER: 60/090557
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57	PRIOR APPLICATION NUMBER: 60/088810	57	PRIOR APPLICATION NUMBER: 60/090676
58	PRIOR FILING DATE: 1998-06-10	58	PRIOR FILING DATE: 1998-06-25
59	PRIOR APPLICATION NUMBER: 60/088824	59	PRIOR APPLICATION NUMBER: 60/090678
60	PRIOR FILING DATE: 1998-06-10	60	PRIOR FILING DATE: 1998-06-25
61	PRIOR APPLICATION NUMBER: 60/088826	61	PRIOR APPLICATION NUMBER: 60/090690
62	PRIOR FILING DATE: 1998-06-10	62	PRIOR FILING DATE: 1998-06-25
63	PRIOR APPLICATION NUMBER: 60/088858	63	PRIOR APPLICATION NUMBER: 60/090696
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66	PRIOR FILING DATE: 1998-06-11	66	PRIOR FILING DATE: 1998-06-26
67	PRIOR APPLICATION NUMBER: 60/088876	67	PRIOR APPLICATION NUMBER: 60/090863
68	PRIOR FILING DATE: 1998-06-11</		

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 ; PRIOR FILING DATE: 1998-07-01  
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 ; PRIOR APPLICATION NUMBER: 60/091544  
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 ; PRIOR APPLICATION NUMBER: 60/091978  
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 ; PRIOR APPLICATION NUMBER: 60/091982  
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 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVPPXXXXX 11  
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 DB 28 BEVPPGGGRSK 38

## RESULT 12

US-09-950-444-359  
 ; Sequence 359, Application US/09990444  
 ; Publication No. US20020193300A1

## GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gierlsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730P1C19

; CURRENT APPLICATION NUMBER: US/09/990.444  
 ; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/065186  
 ; PRIOR FILING DATE: 1997-11-12  
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 ; PRIOR APPLICATION NUMBER: 60/066770  
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; PRIOR FILING DATE: 1998-02-25  
 ; PRIOR APPLICATION NUMBER: 60/078910  
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 ; PRIOR FILING DATE: 1998-05-07  
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;; PRIOR APPLICATION NUMBER: 60/091519

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Caps 0;

QY 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38

RESULT 13

US-09-989-730-359  
; Sequence 359, Application US/09989730  
; Publication No. US20020197674A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P27301C69  
; CURRENT APPLICATION NUMBER: US/09/989,730  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
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audet-909164-5.dx-anysize600.rapb

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 14
US-09-990-436-359
; Sequence 359, Application US/09990436
; Publication No. US20020198148A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C14
; CURRENT APPLICATION NUMBER: US/09/990,436
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
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;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVWPXXXXX 11  
Db 28 EEVPPGGRSK 38  
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## RESULT 15

US-09-991-181-359  
; Sequence 359, Application US/09991181  
; Publication No. US20020197615A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Grøitsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C53  
; CURRENT APPLICATION NUMBER: US/09/991.181  
; PRIOR FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
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; PRIOR FILING DATE: 1998-06-04

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;; PRIOR APPLICATION NUMBER: 60/088026  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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## RESULT 16

US-09-993-687-359  
; Sequence 359, Application US/09993687  
; Publication No. US20020198149A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
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; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
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; APPLICANT: Pan, James  
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; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C11  
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; CURRENT FILING DATE: 2002-11-14  
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; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23

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APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC64  
CURRENT APPLICATION NUMBER: US/09/989,734  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
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PRIOR APPLICATION NUMBER: 60/065186  
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PRIOR FILING DATE: 1998-02-25  
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PRIOR FILING DATE: 1998-06-05

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38  
RESULT 17  
US-09-989-734-359  
; Sequence 359, Application US/09989734  
; Publication No. US20030003531A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.

; PRIOR APPLICATION NUMBER: 60/088202  
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; PRIOR APPLICATION NUMBER: 60/088810  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088824  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088826  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088858  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088861  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/088876  
; PRIOR FILING DATE: 1998-06-11  
; PRIOR APPLICATION NUMBER: 60/089105  
; PRIOR FILING DATE: 1998-06-12  
; PRIOR APPLICATION NUMBER: 60/089440  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089512  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089514  
; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089598  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089599  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089600  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089653  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089801  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089907  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089908  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089952  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/090246  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090252  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090254  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090349  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090355  
; PRIOR FILING DATE: 1998-06-23  
; PRIOR APPLICATION NUMBER: 60/090429  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090431  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090435

; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090444  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090535  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090540  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090542  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090576  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090678  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090690  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090696  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090862  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

Db 28 EEVFGGGRSK 38

## RESULT 18

US-09-997-653-359  
; Sequence 359, Application US/09997653  
; Publication No. US20030008297A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.



RESULT 19

US-10-174-590-444

Sequence 444, Application US/10174590

Publication No. US20030008352A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRAN

TITLE OF INVENTION: ACIDS ENCODING T

FILE REFERENCE: P3430R1C42

CURRENT APPLICATION NUMBER: US/10174

CURRENT FILING DATE: 2002-06-18

GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Chen, Jian  
 APPLICANT: Densoyers, Luc  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Gurney, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Pan, James  
 APPLICANT: Smith, Victoria  
 APPLICANT: Watanabe, Colin K.  
 APPLICANT: Wood, William I.  
 APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECTED EN  
 TITLE OF INVENTION: SECTED EN



FILE REFERENCE: P3430RIC50  
CURRENT APPLICATION NUMBER: US/10/175,737  
CURRENT FILING DATE: 2002-06-19  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-175-737-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:||||:  
DB 28 EEVPPGGGRSK 38

## RESULT 22

US-09-993-667-359  
Sequence 359, Application US/09993667

Publication No. US20030022187A1

## GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
Acids Encoding the Same

FILE REFERENCE: P2730PIC4

CURRENT APPLICATION NUMBER: US/09/993,667

CURRENT FILING DATE: 2001-11-14

Prior Application Number: 60/049787

Prior Filing Date: 1997-06-16

Prior Application Number: 60/062250

Prior Filing Date: 1997-10-17

Prior Application Number: 60/065186

Prior Filing Date: 1997-11-12

Prior Application Number: 60/065311

Prior Filing Date: 1997-11-13

Prior Application Number: 60/066770

Prior Filing Date: 1997-11-24

Prior Application Number: 60/075945

Prior Filing Date: 1998-02-25

Prior Application Number: 60/078910

Prior Filing Date: 1998-03-20

Prior Application Number: 60/083322

Prior Filing Date: 1998-04-28

Prior Application Number: 60/084600

Prior Filing Date: 1998-05-07

Prior Application Number: 60/087106

Prior Filing Date: 1998-05-28  
Prior Application Number: 60/087607  
Prior Filing Date: 1998-06-02  
Prior Application Number: 60/087609  
Prior Filing Date: 1998-06-02  
Prior Application Number: 60/087759  
Prior Filing Date: 1998-06-02  
Prior Application Number: 60/087827  
Prior Filing Date: 1998-06-03  
Prior Application Number: 60/088021  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088025  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088026  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088028  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088029  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088030  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088033  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088326  
Prior Filing Date: 1998-06-04  
Prior Application Number: 60/088167  
Prior Filing Date: 1998-06-05  
Prior Application Number: 60/088202  
Prior Filing Date: 1998-06-05  
Prior Application Number: 60/088212  
Prior Filing Date: 1998-06-05  
Prior Application Number: 60/088217  
Prior Filing Date: 1998-06-05  
Prior Application Number: 60/088655  
Prior Filing Date: 1998-06-09  
Prior Application Number: 60/088734  
Prior Filing Date: 1998-06-10  
Prior Application Number: 60/088738  
Prior Filing Date: 1998-06-10  
Prior Application Number: 60/088742  
Prior Filing Date: 1998-06-10  
Prior Application Number: 60/088810  
Prior Filing Date: 1998-06-10  
Prior Application Number: 60/088824  
Prior Filing Date: 1998-06-10  
Prior Application Number: 60/088826  
Prior Filing Date: 1998-06-10  
Prior Application Number: 60/088858  
Prior Filing Date: 1998-06-11  
Prior Application Number: 60/088861  
Prior Filing Date: 1998-06-11  
Prior Application Number: 60/088876  
Prior Filing Date: 1998-06-11  
Prior Application Number: 60/089105  
Prior Filing Date: 1998-06-12  
Prior Application Number: 60/089440  
Prior Filing Date: 1998-06-16  
Prior Application Number: 60/089512  
Prior Filing Date: 1998-06-16  
Prior Application Number: 60/089514  
Prior Filing Date: 1998-06-16  
Prior Application Number: 60/089532  
Prior Filing Date: 1998-06-17  
Prior Application Number: 60/089538  
Prior Filing Date: 1998-06-17  
Prior Application Number: 60/089598  
Prior Filing Date: 1998-06-17  
Prior Application Number: 60/089599  
Prior Filing Date: 1998-06-17  
Prior Application Number: 60/089600  
Prior Filing Date: 1998-06-17  
Prior Application Number: 60/089653  
Prior Filing Date: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/089801  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089907  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089908  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089952  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/090246  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090252  
; PRIOR FILING DATE: 1998-06-22  
; PRIOR APPLICATION NUMBER: 60/090254  
; PRIOR FILING DATE: 1998-06-22  
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; PRIOR FILING DATE: 1998-06-23  
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; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090435  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090444  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090445  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090535  
; PRIOR FILING DATE: 1998-06-24  
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; PRIOR FILING DATE: 1998-06-25  
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; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090694  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090696  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090862  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/090863  
; PRIOR FILING DATE: 1998-06-26  
; PRIOR APPLICATION NUMBER: 60/091360  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091478  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091544  
; PRIOR FILING DATE: 1998-07-01  
; PRIOR APPLICATION NUMBER: 60/091519  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091626  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982

; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 23

US-10-173-706-444  
; Sequence 444, Application US/10173706  
; Publication No. US2003002293A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C7  
; CURRENT APPLICATION NUMBER: US/10/173,706  
; CURRENT FILING DATE: 2002-06-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-706-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 24

US-10-175-738-444  
; Sequence 444, Application US/10175738  
; Publication No. US2003002294A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C45  
; CURRENT APPLICATION NUMBER: US/10/175,738  
; CURRENT FILING DATE: 2002-06-19  
; Prior application removed - See File Wrapper or Palm

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Thu May 29 17:38:57 2003

```

; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

```

RESULT 25
US-10-175-752-444
; Sequence 444, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

```

RESULT 26
US-10-176-482-444
; Sequence 444, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70

```

```

; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

```

RESULT 27
US-10-176-757-444
; Sequence 444, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

```

RESULT 28
US-10-176-913-444
; Sequence 444, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC56
; CURRENT APPLICATION NUMBER: US/10/176,913
; PRIOR FILING DATE: 2002-06-20
; PRIOR APPLICATION REMOVED - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 29
US-10-180-552-444
; Sequence 444, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC153
; CURRENT APPLICATION NUMBER: US/10/180,552
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-552-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 30
US-10-180-557-444
; Sequence 444, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
```

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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 31
US-09-990-438-359
; Sequence 359, Application US/09990438
; Publication No. US20030027754A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC3
; CURRENT APPLICATION NUMBER: US/09/990,438
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
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4	PRIOR FILING DATE: 1998-05-07
5	PRIOR APPLICATION NUMBER: 60/087106
6	PRIOR FILING DATE: 1998-05-28
7	PRIOR APPLICATION NUMBER: 60/087607
8	PRIOR FILING DATE: 1998-06-02
9	PRIOR APPLICATION NUMBER: 60/087609
10	PRIOR FILING DATE: 1998-06-02
11	PRIOR APPLICATION NUMBER: 60/087759
12	PRIOR FILING DATE: 1998-06-02
13	PRIOR APPLICATION NUMBER: 60/087827
14	PRIOR FILING DATE: 1998-06-03
15	PRIOR APPLICATION NUMBER: 60/088021
16	PRIOR FILING DATE: 1998-06-04
17	PRIOR APPLICATION NUMBER: 60/088025
18	PRIOR FILING DATE: 1998-06-04
19	PRIOR APPLICATION NUMBER: 60/088026
20	PRIOR FILING DATE: 1998-06-04
21	PRIOR APPLICATION NUMBER: 60/088028
22	PRIOR FILING DATE: 1998-06-04
23	PRIOR APPLICATION NUMBER: 60/088029
24	PRIOR FILING DATE: 1998-06-04
25	PRIOR APPLICATION NUMBER: 60/088030
26	PRIOR FILING DATE: 1998-06-04
27	PRIOR APPLICATION NUMBER: 60/088033
28	PRIOR FILING DATE: 1998-06-04
29	PRIOR APPLICATION NUMBER: 60/088326
30	PRIOR FILING DATE: 1998-06-04
31	PRIOR APPLICATION NUMBER: 60/088167
32	PRIOR FILING DATE: 1998-06-05
33	PRIOR APPLICATION NUMBER: 60/088202
34	PRIOR FILING DATE: 1998-06-05
35	PRIOR APPLICATION NUMBER: 60/088212
36	PRIOR FILING DATE: 1998-06-05
37	PRIOR APPLICATION NUMBER: 60/088217
38	PRIOR FILING DATE: 1998-06-05
39	PRIOR APPLICATION NUMBER: 60/088655
40	PRIOR FILING DATE: 1998-06-09
41	PRIOR APPLICATION NUMBER: 60/088734
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54	PRIOR FILING DATE: 1998-06-11
55	PRIOR APPLICATION NUMBER: 60/088861
56	PRIOR FILING DATE: 1998-06-11
57	PRIOR APPLICATION NUMBER: 60/088876
58	PRIOR FILING DATE: 1998-06-11
59	PRIOR APPLICATION NUMBER: 60/089105
60	PRIOR FILING DATE: 1998-06-12
61	PRIOR APPLICATION NUMBER: 60/089440
62	PRIOR FILING DATE: 1998-06-15
63	PRIOR APPLICATION NUMBER: 60/089512
64	PRIOR FILING DATE: 1998-06-16
65	PRIOR APPLICATION NUMBER: 60/089514
66	PRIOR FILING DATE: 1998-06-16
67	PRIOR APPLICATION NUMBER: 60/089532
68	PRIOR FILING DATE: 1998-06-17
69	PRIOR APPLICATION NUMBER: 60/089538
70	PRIOR FILING DATE: 1998-06-17
71	PRIOR APPLICATION NUMBER: 60/089598
72	PRIOR FILING DATE: 1998-06-17
73	PRIOR APPLICATION NUMBER: 60/089599

; PRIOR APPLICATION NUMBER: 60/091633  
; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Oy 1 EEVVPXXXXX 11  
Db 28 EEVPEGGGRSK 38

## RESULT 32

US-09-990-562-359  
; Sequence 359, Application US/09990562  
; Publication No. US20030027985A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C18

; CURRENT APPLICATION NUMBER: US/09/990,562  
; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087607

; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087827  
; PRIOR FILING DATE: 1998-06-03  
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; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088025  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088026  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088028  
; PRIOR FILING DATE: 1998-06-04  
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; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089801  
; PRIOR FILING DATE: 1998-06-18

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Thu May 29 17:38:57 2003

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; PRIOR FILING DATE: 1998-07-09
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; -pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 33
US-09-997-428-359
; Sequence 359, Application US/09997428
; Publication No. US20030027162A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC44
; CURRENT APPLICATION NUMBER: US/09/997,428
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/083322
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; PRIOR FILING DATE: 1998-06-03
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;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11



audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

Db 28 EEVPPGGRSK 38

|||||:||||:

US-09-997-666-359

Sequence 359, Application US/09997666

Publication No. US20030027163A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Watanabe, Colin K.

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2730PIC42

CURRENT APPLICATION NUMBER: US/09/997,666

CURRENT FILING DATE: 2001-11-15

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

PRIOR APPLICATION NUMBER: 60/087607

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087609

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087759

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087827

PRIOR FILING DATE: 1998-06-03

PRIOR APPLICATION NUMBER: 60/088021

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088025

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088026

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088028

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PRIOR APPLICATION NUMBER: 60/088029

PRIOR FILING DATE: 1998-06-04

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PRIOR APPLICATION NUMBER: 60/088167

PRIOR FILING DATE: 1998-06-05

PRIOR APPLICATION NUMBER: 60/088202

PRIOR FILING DATE: 1998-06-05

PRIOR APPLICATION NUMBER: 60/088212

PRIOR FILING DATE: 1998-06-05

PRIOR APPLICATION NUMBER: 60/088217

PRIOR FILING DATE: 1998-06-05

PRIOR APPLICATION NUMBER: 60/088655

PRIOR FILING DATE: 1998-06-09

PRIOR APPLICATION NUMBER: 60/088734

PRIOR FILING DATE: 1998-06-10

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PRIOR APPLICATION NUMBER: 60/088742

PRIOR FILING DATE: 1998-06-10

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PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/088824

PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/088826

PRIOR FILING DATE: 1998-06-10

PRIOR APPLICATION NUMBER: 60/088858

PRIOR FILING DATE: 1998-06-11

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PRIOR FILING DATE: 1998-06-11

PRIOR APPLICATION NUMBER: 60/088876

PRIOR FILING DATE: 1998-06-11

PRIOR APPLICATION NUMBER: 60/089105

PRIOR FILING DATE: 1998-06-12

PRIOR APPLICATION NUMBER: 60/089440

PRIOR FILING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: 60/089512

PRIOR FILING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: 60/089514

PRIOR FILING DATE: 1998-06-16

PRIOR APPLICATION NUMBER: 60/089532

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089538

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089598

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089599

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089600

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089653

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/089801

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: 60/089907

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: 60/089908

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: 60/089947

PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/089948

PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/089952

PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/090246

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090252

PRIOR FILING DATE: 1998-06-22

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; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
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; PRIOR APPLICATION NUMBER: 60/090431
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090435
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09
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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
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RESULT 35
US-10-173-700-444
; Sequence 444, Application US/10173700
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```
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-700-444
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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
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## RESULT 36

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US-10-174-572-444
; Sequence 444, Application US/10174572
; Publication No. US20030027263A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C40
; CURRENT APPLICATION NUMBER: US/10/174,572
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-572-444
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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1-EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

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Db      28  EEVPPGGGRSK 38

RESULT 37
US-10-174-579-444
; Sequence 444, Application US/10174579
; Publication No. US200300272641
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC31
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-579-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

RESULT 38
US-10-174-582-444
; Sequence 444, Application US/10174582
; Publication No. US20030027265A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC36
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-582-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

RESULT 39
US-10-174-588-444
; Sequence 444, Application US/10174588
; Publication No. US20030027266A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC28
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-588-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

RESULT 40
US-10-175-739-444
; Sequence 444, Application US/10175739
; Publication No. US20030027267A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC46
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-739-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

RESULT 41
US-10-175-739-444
; Sequence 444, Application US/10175739
; Publication No. US20030027267A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC46
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-739-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEVPPXXXXXX 11
        |||||:
Db      28  EEVPPGGGRSK 38

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QY 1 EEVVPXXXXX 11  
| | | | : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 41

US-10-175-740-444

; Sequence 444, Application US/10175740  
; Publication No. US20030027268A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C61  
; CURRENT APPLICATION NUMBER: US/10/175,740  
; CURRENT FILING DATE: 2002-06-18  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-740-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 42

US-10-175-743-444

; Sequence 444, Application US/10175743  
; Publication No. US20030027269A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C52  
; CURRENT APPLICATION NUMBER: US/10/175,743  
; CURRENT FILING DATE: 2002-06-16  
; Prior Application Number: 10/052586  
; Prior Filing Date: 2002-01-15  
; Prior Application Number: 60/059263  
; Prior Filing Date: 1997-09-18  
; Prior Application Number: 60/059266  
; Prior Filing Date: 1997-09-18  
; Prior Application Number: 60/062250  
; Prior Filing Date: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
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; PRIOR FILING DATE: 1997-12-11  
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; PRIOR FILING DATE: 1997-12-17  
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; PRIOR FILING DATE: 1998-04-22
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; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
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; PRIOR FILING DATE: 1998-04-29
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; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
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; PRIOR FILING DATE: 1998-05-06
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; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086486
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087098
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087208
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 43
US-10-176-488-444
; Sequence 444, Application US/10176488
; Publication No. US20030027271A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C119
; CURRENT APPLICATION NUMBER: US/10/176,488
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-488-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

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RESULT 44
US-10-176-492-444
; Sequence 444, Application US/10176492
; Publication No. US20030027272A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C107
; CURRENT APPLICATION NUMBER: US/10/176,492
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-492-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVPPGGGRSK 38

RESULT 45
US-10-176-747-444
; Sequence 444, Application US/10176747
; Publication No. US20030027273A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C92
; CURRENT APPLICATION NUMBER: US/10/176,747
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-747-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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QY 1 EEVVPXXXXXX 11
DB 28 EEVPPGGGRSK 38

RESULT 46
US-10-176-750-444
; Sequence 444, Application US/10176750
; Publication No. US20030027274A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C103
; CURRENT APPLICATION NUMBER: US/10/176,750
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-750-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVPPGGGRSK 38

RESULT 47
US-10-176-985-444
; Sequence 444, Application US/10176985
; Publication No. US20030027277A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C99
; CURRENT APPLICATION NUMBER: US/10/176,985
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-985-444

Query Match      100.0%; Score 31; DB 9; Length 135;
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; Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
DB 28 EEVPGGGRSK 38

RESULT 48
US-10-176-987-444
; Sequence 444, Application US/10176987
; Publication No. US20030027278A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C93
; CURRENT APPLICATION NUMBER: US/10/176,987
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-987-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
DB 28 EEVPGGGRSK 38

RESULT 49
US-10-176-991-444
; Sequence 444, Application US/10176991
; Publication No. US20030027324A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C122
; CURRENT APPLICATION NUMBER: US/10/176,991
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT

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; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-993-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 52
US-10-184-658-444
; Sequence 444, Application US/10184658
; Publication No. US20030027281A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C228
; CURRENT APPLICATION NUMBER: US/10/184,658
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-658-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 53
US-10-227-884-108
; Sequence 108, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C79
; CURRENT APPLICATION NUMBER: US/10/227,884
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
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; PRIOR APPLICATION NUMBER: 60/064103
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; PRIOR APPLICATION NUMBER: 60/069873
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; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
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; PRIOR FILING DATE: 1998-06-25
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; PRIOR APPLICATION NUMBER: 60/099803
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
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Thu May 29 17:38:57 2003

;; PRIOR FILING DATE: 1998-09-10  
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;; PRIOR APPLICATION NUMBER: 60/101922  
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;; PRIOR FILING DATE: 1998-10-28  
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;; PRIOR APPLICATION NUMBER: 60/106905  
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;; PRIOR FILING DATE: 1999-01-12  
;; PRIOR APPLICATION NUMBER: 60/115733  
;; PRIOR FILING DATE: 1999-01-12  
;; PRIOR APPLICATION NUMBER: 60/119549  
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;; PRIOR APPLICATION NUMBER: 60/123618  
;; PRIOR FILING DATE: 1999-03-10  
;; PRIOR APPLICATION NUMBER: 60/125259  
;; PRIOR FILING DATE: 1999-03-19  
;; PRIOR APPLICATION NUMBER: 60/125775  
;; PRIOR FILING DATE: 1999-03-23  
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;; PRIOR APPLICATION NUMBER: 60/131270  
;; PRIOR FILING DATE: 1999-04-27

;; PRIOR APPLICATION NUMBER: 60/131291  
;; PRIOR FILING DATE: 1999-04-27  
;; PRIOR APPLICATION NUMBER: 60/131445  
;; PRIOR FILING DATE: 1999-04-28  
;; PRIOR APPLICATION NUMBER: 60/134287  
;; PRIOR FILING DATE: 1999-05-14  
;; PRIOR APPLICATION NUMBER: 60/140650  
;; PRIOR FILING DATE: 1999-06-22  
;; PRIOR APPLICATION NUMBER: 60/140723  
;; PRIOR FILING DATE: 1999-06-22  
;; PRIOR APPLICATION NUMBER: 60/141037  
;; PRIOR FILING DATE: 1999-06-23  
;; PRIOR APPLICATION NUMBER: 60/144758  
;; PRIOR FILING DATE: 1999-07-20  
;; PRIOR APPLICATION NUMBER: 60/145698  
;; PRIOR FILING DATE: 1999-07-26  
;; PRIOR APPLICATION NUMBER: 60/146222  
;; PRIOR FILING DATE: 1999-07-28  
;; PRIOR APPLICATION NUMBER: 60/146963  
;; PRIOR FILING DATE: 1999-08-03  
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;; PRIOR FILING DATE: 1999-11-16  
;; PRIOR APPLICATION NUMBER: 60/169445  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169495  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11  
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DB 28 EEVVPGGGRSK 38

RESULT 54  
US-09-990-711-359  
; Sequence 359, Application US/09990711  
; Publication No. US20030032023A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730F1C2  
CURRENT APPLICATION NUMBER: US/09/990,711  
CURRENT FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
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PRIOR APPLICATION NUMBER: 60/088734  
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PRIOR FILING DATE: 1998-06-17  
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PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
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PRIOR APPLICATION NUMBER: 60/090694  
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PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/092182  
PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

RESULT 55  
US-10-173-695-444  
; Sequence 444, Application US/10173695  
; Publication No. US20030032101A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C3  
; CURRENT APPLICATION NUMBER: US/10/173,695  
; CURRENT FILING DATE: 2002-06-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-695-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

RESULT 56

US-10-173-697-444  
; Sequence 444, Application US/10173697  
; Publication No. US20030032102A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C5  
; CURRENT APPLICATION NUMBER: US/10/173,697  
; CURRENT FILING DATE: 2002-06-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-697-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

RESULT 57

US-10-173-705-444  
; Sequence 444, Application US/10173705  
; Publication No. US20030032103A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C18  
; CURRENT APPLICATION NUMBER: US/10/173,705  
; CURRENT FILING DATE: 2002-06-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-705-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 58

US-10-174-576-444  
; Sequence 444, Application US/10174576  
; Publication No. US2003032104A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC23  
; CURRENT APPLICATION NUMBER: US/10/174,576  
; CURRENT FILING DATE: 2002-06-18  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-576-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 59

US-10-174-585-444  
; Sequence 444, Application US/10174585  
; Publication No. US2003032105A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC37  
; CURRENT APPLICATION NUMBER: US/10/174,585  
; CURRENT FILING DATE: 2002-06-18  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-585-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 60

US-10-174-586-444  
; Sequence 444, Application US/10174586  
; Publication No. US2003032106A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC24  
; CURRENT APPLICATION NUMBER: US/10/174,586  
; CURRENT FILING DATE: 2002-06-18  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-586-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 61

US-10-175-747-444  
; Sequence 444, Application US/10175747  
; Publication No. US2003032107A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC44  
; CURRENT APPLICATION NUMBER: US/10/175,747  
; CURRENT FILING DATE: 2002-06-19  
; Prior Application Number: 10/052586  
; Prior Filing Date: 2002-01-15  
; Prior Application Number: 60/059263  
; Prior Filing Date: 1997-09-18  
; Prior Application Number: 60/059266

1 PRIOR FILING DATE: 1997-09-18  
2 PRIOR APPLICATION NUMBER: 60/062250  
3 PRIOR FILING DATE: 1997-10-17  
4 PRIOR APPLICATION NUMBER: 60/063120  
5 PRIOR FILING DATE: 1997-10-24  
6 PRIOR APPLICATION NUMBER: 60/063121  
7 PRIOR FILING DATE: 1997-10-24  
8 PRIOR APPLICATION NUMBER: 60/063486  
9 PRIOR FILING DATE: 1997-10-21  
10 PRIOR APPLICATION NUMBER: 60/063540  
11 PRIOR FILING DATE: 1997-10-28  
12 PRIOR APPLICATION NUMBER: 60/063541  
13 PRIOR FILING DATE: 1997-10-28  
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19 PRIOR FILING DATE: 1997-10-29  
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21 PRIOR FILING DATE: 1997-10-31  
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28 PRIOR APPLICATION NUMBER: 60/066466  
29 PRIOR FILING DATE: 1997-11-24  
30 PRIOR APPLICATION NUMBER: 60/066772  
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32 PRIOR APPLICATION NUMBER: 60/069335  
33 PRIOR FILING DATE: 1997-12-11  
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58 PRIOR APPLICATION NUMBER: 60/080327  
59 PRIOR FILING DATE: 1998-04-01  
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61 PRIOR FILING DATE: 1998-04-01  
62 PRIOR APPLICATION NUMBER: 60/081049  
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66 PRIOR APPLICATION NUMBER: 60/081195  
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78 PRIOR APPLICATION NUMBER: 60/083322  
79 PRIOR FILING DATE: 1998-04-28  
80 PRIOR APPLICATION NUMBER: 60/083495  
81 PRIOR FILING DATE: 1998-04-29  
82 PRIOR APPLICATION NUMBER: 60/083496  
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84 PRIOR APPLICATION NUMBER: 60/083499  
85 PRIOR FILING DATE: 1998-04-29  
86 PRIOR APPLICATION NUMBER: 60/083559  
87 PRIOR FILING DATE: 1998-04-29  
88 PRIOR APPLICATION NUMBER: 60/084366  
89 PRIOR FILING DATE: 1998-05-05  
90 PRIOR APPLICATION NUMBER: 60/084414  
91 PRIOR FILING DATE: 1998-05-06  
92 PRIOR APPLICATION NUMBER: 60/084639  
93 PRIOR FILING DATE: 1998-05-07  
94 PRIOR APPLICATION NUMBER: 60/084640  
95 PRIOR FILING DATE: 1998-05-07  
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105 PRIOR FILING DATE: 1998-05-15  
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115 PRIOR FILING DATE: 1998-05-28  
116 PRIOR APPLICATION NUMBER: 60/087208  
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119 PRIOR FILING DATE: 1998-06-02  
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121 PRIOR FILING DATE: 1998-06-02  
122 PRIOR APPLICATION NUMBER: 60/087827  
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130 PRIOR APPLICATION NUMBER: 60/088033  
131 PRIOR FILING DATE: 1998-06-04  
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134 PRIOR APPLICATION NUMBER: 60/088202  
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136 PRIOR APPLICATION NUMBER: 60/088212  
137 PRIOR FILING DATE: 1998-06-05  
138 PRIOR APPLICATION NUMBER: 60/088217  
139 PRIOR FILING DATE: 1998-06-05  
140 PRIOR APPLICATION NUMBER: 60/088326  
141 PRIOR FILING DATE: 1998-06-04  
142 PRIOR APPLICATION NUMBER: 60/088655  
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; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088740.  
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 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPPGGGRSK 38

## RESULT 62

; Sequence 444, Application US/10176481  
 ; Publication No. US20030032109A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C98  
 ; CURRENT APPLICATION NUMBER: US/10/176,481  
 ; PRIOR FILING DATE: 2002-06-21  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 ; US-10-176-481-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPPGGGRSK 38

## RESULT 63

; Sequence 444, Application US/10176485  
 ; Publication No. US20030032109A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C78  
 ; CURRENT APPLICATION NUMBER: US/10/176,485  
 ; PRIOR FILING DATE: 2002-06-20  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 ; US-10-176-485-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPPGGGRSK 38

## RESULT 64

; Sequence 444, Application US/10176487  
 ; Publication No. US20030032110A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C74  
 ; CURRENT APPLICATION NUMBER: US/10/176,487  
 ; PRIOR FILING DATE: 2002-06-20  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 ; US-10-176-487-444

Query Match 100.0%; Score 31; DB 9; Length 135;

```

US-10-176-756-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
      |||||:~::~:
Db      28 EEVVPGGGRSK 38

RESULT 67
US-10-176-911-444
; Sequence 444, Application US/10176911
; Publication No. US20030032113A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C75
; CURRENT APPLICATION NUMBER: US/10/176,911
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-911-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
      |||||:~::~:
Db      28 EEVVPGGGRSK 38

RESULT 68
US-10-176-919-444
; Sequence 444, Application US/10176919
; Publication No. US20030032114A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C63
; CURRENT APPLICATION NUMBER: US/10/176,919
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-919-444

US-10-176-756-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
      |||||:~::~:
Db      28 EEVVPGGGRSK 38

RESULT 66
US-10-176-756-444
; Sequence 444, Application US/10176756
; Publication No. US20030032112A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C109
; CURRENT APPLICATION NUMBER: US/10/176,756
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-493-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
      |||||:~::~:
Db      28 EEVVPGGGRSK 38

RESULT 65
US-10-176-493-444
; Sequence 444, Application US/10176493
; Publication No. US20030032111A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C72
; CURRENT APPLICATION NUMBER: US/10/176,493
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-493-444

```

/	CURRENT FILING DATE:	2002-06-21
/	CURRENT FILING DATE:	2002-07-20
/	TITLE OF INVENTION:	SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
/	TITLE OF INVENTION:	SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
/	TITLE OF INVENTION:	SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME





; APPLICANT: Smith,Victoria  
; APPLICANT: Watanabe,Colin K.  
; APPLICANT: Wood,William I.  
; APPLICANT: Zhang,Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C151  
; CURRENT APPLICATION NUMBER: US/10/180,549  
; CURRENT FILING DATE: 2002-06-25  
; Prior application removed - See file Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-549-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 77  
US-10-180-555-444  
; Sequence 444, Application US/10180555  
; Publication No. US20030032123A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C163  
; CURRENT APPLICATION NUMBER: US/10/180,555  
; CURRENT FILING DATE: 2002-06-25  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-555-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 78  
US-10-180-559-444  
; Sequence 444, Application US/10180559  
; Publication No. US20030032124A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C159  
; CURRENT APPLICATION NUMBER: US/10/180,559  
; CURRENT FILING DATE: 2002-06-25  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-559-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 79  
US-10-181-000-444  
; Sequence 444, Application US/10181000  
; Publication No. US20030032125A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C177  
; CURRENT APPLICATION NUMBER: US/10/181,000  
; CURRENT FILING DATE: 2002-06-26  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-181-000-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:|||||

RESULT 80  
US-10-183-010-444  
; Sequence 444, Application US/10183010  
; Publication No. US20030032126A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.



;; PRIOR FILING DATE: 1998-05-05  
;; PRIOR APPLICATION NUMBER: 60/084414  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/084639  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084640  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084643  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/085573  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085579  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085580  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085582  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086023  
;; PRIOR FILING DATE: 1998-05-18  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086486  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087098  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087208  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088740  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088811  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088825  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088863  
;; PRIOR FILING DATE: 1998-06-11

;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089090  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|||||

## RESULT 82

US-10-184-614-444  
; Sequence 444, Application US/10184614  
; Publication No. US20030032128A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: ACIDS ENCODING THE SAME  
; CURRENT APPLICATION NUMBER: US/10/184, 614  
; PRIOR FILING DATE: 2225-06-27  
; PRIOR APPLICATION removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-184-614-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|||||

## RESULT 83

US-10-184-623-444  
; Sequence 444, Application US/10184623  
; Publication No. US20030032129A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

APPLICANT: CHEN, OTAN

APPLICANT: CHEN, OTAN

; Publication NO. US2003000

Sequence 444, Application No. US20030032133A1 ; Publication No. US20030032133A1

APPLICANT: CURE/Jordan

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C212
; CURRENT APPLICATION NUMBER: US/10/184,647
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-647-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 88

```

US-10-184-652-444
; Sequence 444, Application US/10184652
; Publication No. US20030032134A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C187
; CURRENT APPLICATION NUMBER: US/10/184,652
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-652-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 89

```

US-10-187-594-444
; Sequence 444, Application US/10187594
; Publication No. US20030032135A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C250
; CURRENT APPLICATION NUMBER: US/10/187,594
; CURRENT FILING DATE: 2002-07-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-594-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 90

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US-10-187-596-444
; Sequence 444, Application US/10187596
; Publication No. US20030032136A1
; GENERAL INFORMATION:

```

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; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C243
; CURRENT APPLICATION NUMBER: US/10/187,596
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-596-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 93  
 US-10-187-886-444  
 ; Sequence 444, Application US/10187886  
 ; Publication No. US20030032139A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C237  
 ; CURRENT APPLICATION NUMBER: US/10/187,886  
 ; CURRENT FILING DATE: 2002-07-01  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-886-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 94  
 US-10-199-464-444  
 ; Sequence 444, Application US/10199464  
 ; Publication No. US20030032140A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C405  
 ; CURRENT APPLICATION NUMBER: US/10/199,464  
 ; CURRENT FILING DATE: 2002-07-19  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-885-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

RESULT 91  
 US-10-187-745-444  
 ; Sequence 444, Application US/10187745  
 ; Publication No. US20030032137A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C247  
 ; CURRENT APPLICATION NUMBER: US/10/187,745  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-745-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 92  
 US-10-187-885-444  
 ; Sequence 444, Application US/10187885  
 ; Publication No. US20030032138A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C231  
 ; CURRENT APPLICATION NUMBER: US/10/187,885  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-885-444

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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-751-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 95
US-10-176-751-444
; Sequence 444, Application US/10176751
; Publication No. US20030036117A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C111
; CURRENT APPLICATION NUMBER: US/10/176,751
; PRIOR FILING DATE: 2002-06-21
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-751-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 96
US-10-176-760-444
; Sequence 444, Application US/10176760
; Publication No. US20030036118A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C111
; CURRENT APPLICATION NUMBER: US/10/176,990
; PRIOR FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-990-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 97
US-10-176-990-444
; Sequence 444, Application US/10176990
; Publication No. US20030036119A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C90
; CURRENT APPLICATION NUMBER: US/10/176,990
; PRIOR FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-990-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 98
US-10-180-541-444
; Sequence 444, Application US/10180541
; Publication No. US20030036120A1

```



## ; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C154  
; CURRENT APPLICATION NUMBER: US/10/180,541  
; CURRENT FILING DATE: 2002-06-25  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-541-444

## Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 28 EEVPGGGRSK 38

## RESULT 99

## US-10-180-542-444

; Sequence 444, Application US/10180542  
; Publication No. US20030036121A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C155  
; CURRENT APPLICATION NUMBER: US/10/180,542  
; CURRENT FILING DATE: 2002-06-25  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-542-444

## Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 28 EEVPGGGRSK 38

## RESULT 100

## US-10-180-548-444

; Sequence 444, Application US/10180548  
; Publication No. US20030036122A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C144  
; CURRENT APPLICATION NUMBER: US/10/180,548  
; CURRENT FILING DATE: 2002-06-25  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-548-444

## Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 28 EEVPGGGRSK 38

## RESULT 101

## US-10-180-551-444

; Sequence 444, Application US/10180551  
; Publication No. US20030036123A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C162  
; CURRENT APPLICATION NUMBER: US/10/180,551  
; CURRENT FILING DATE: 2002-06-25  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-551-444

## Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

Db 28 EEVPGGGRSK 38

RESULT 102  
US-10-180-998-444  
; Sequence 444, Application US/10180998  
; Publication No. US20030036124A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C173  
; CURRENT APPLICATION NUMBER: US/10/180,998  
; CURRENT FILING DATE: 2002-06-26  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-998-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

RESULT 103  
US-10-180-999-444  
; Sequence 444, Application US/10180999  
; Publication No. US20030036125A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C167  
; CURRENT APPLICATION NUMBER: US/10/180,999  
; CURRENT FILING DATE: 2002-06-26  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-180-999-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

RESULT 104  
US-10-183-013-444  
; Sequence 444, Application US/10183013  
; Publication No. US20030036126A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C179  
; CURRENT APPLICATION NUMBER: US/10/183,013  
; CURRENT FILING DATE: 2002-06-26  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-183-013-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

RESULT 105  
US-10-184-612-444  
; Sequence 444, Application US/10184612  
; Publication No. US20030036127A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C200  
; CURRENT APPLICATION NUMBER: US/10/184,612  
; CURRENT FILING DATE: 2002-06-27  
; Prior Application Number: 10/052586  
; Prior Filing Date: 2002-01-15  
; Prior Application Number: 60/059263  
; Prior Filing Date: 1997-09-18  
; Prior Application Number: 60/059266  
; Prior Filing Date: 1997-09-18  
; Prior Application Number: 60/062250  
; Prior Filing Date: 1997-10-17  
; Prior Application Number: 60/063120

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1 PRIOR FILING DATE: 1997-10-24  
2 PRIOR APPLICATION NUMBER: 60/063121  
3 PRIOR FILING DATE: 1997-10-24  
4 PRIOR APPLICATION NUMBER: 60/063486  
5 PRIOR FILING DATE: 1997-10-21  
6 PRIOR APPLICATION NUMBER: 60/063540  
7 PRIOR FILING DATE: 1997-10-28  
8 PRIOR APPLICATION NUMBER: 60/063541  
9 PRIOR FILING DATE: 1997-10-28  
10 PRIOR APPLICATION NUMBER: 60/063544  
11 PRIOR FILING DATE: 1997-10-28  
12 PRIOR APPLICATION NUMBER: 60/063564  
13 PRIOR FILING DATE: 1997-10-28  
14 PRIOR APPLICATION NUMBER: 60/063734  
15 PRIOR FILING DATE: 1997-10-29  
16 PRIOR APPLICATION NUMBER: 60/063870  
17 PRIOR FILING DATE: 1997-10-31  
18 PRIOR APPLICATION NUMBER: 60/064103  
19 PRIOR FILING DATE: 1997-10-31  
20 PRIOR APPLICATION NUMBER: 60/065311  
21 PRIOR FILING DATE: 1997-11-13  
22 PRIOR APPLICATION NUMBER: 60/066120  
23 PRIOR FILING DATE: 1997-11-21  
24 PRIOR APPLICATION NUMBER: 60/066466  
25 PRIOR FILING DATE: 1997-11-24  
26 PRIOR APPLICATION NUMBER: 60/066772  
27 PRIOR FILING DATE: 1997-11-24  
28 PRIOR APPLICATION NUMBER: 60/069335  
29 PRIOR FILING DATE: 1997-12-11  
30 PRIOR APPLICATION NUMBER: 60/069425  
31 PRIOR FILING DATE: 1997-12-12  
32 PRIOR APPLICATION NUMBER: 60/069870  
33 PRIOR FILING DATE: 1997-12-17  
34 PRIOR APPLICATION NUMBER: 60/068017  
35 PRIOR FILING DATE: 1997-12-18  
36 PRIOR APPLICATION NUMBER: 60/077450  
37 PRIOR FILING DATE: 1998-03-10  
38 PRIOR APPLICATION NUMBER: 60/077632  
39 PRIOR FILING DATE: 1998-03-11  
40 PRIOR APPLICATION NUMBER: 60/077649  
41 PRIOR FILING DATE: 1998-03-11  
42 PRIOR APPLICATION NUMBER: 60/078886  
43 PRIOR FILING DATE: 1998-03-20  
44 PRIOR APPLICATION NUMBER: 60/078939  
45 PRIOR FILING DATE: 1998-03-20  
46 PRIOR APPLICATION NUMBER: 60/079664  
47 PRIOR FILING DATE: 1998-03-27  
48 PRIOR APPLICATION NUMBER: 60/079786  
49 PRIOR FILING DATE: 1998-03-27  
50 PRIOR APPLICATION NUMBER: 60/080107  
51 PRIOR FILING DATE: 1998-03-31  
52 PRIOR APPLICATION NUMBER: 60/080194  
53 PRIOR FILING DATE: 1998-03-31  
54 PRIOR APPLICATION NUMBER: 60/080327  
55 PRIOR FILING DATE: 1998-04-01  
56 PRIOR APPLICATION NUMBER: 60/080333  
57 PRIOR FILING DATE: 1998-04-01  
58 PRIOR APPLICATION NUMBER: 60/081049  
59 PRIOR FILING DATE: 1998-04-08  
60 PRIOR APPLICATION NUMBER: 60/081070  
61 PRIOR FILING DATE: 1998-04-08  
62 PRIOR APPLICATION NUMBER: 60/081195  
63 PRIOR FILING DATE: 1998-04-09  
64 PRIOR APPLICATION NUMBER: 60/081838  
65 PRIOR FILING DATE: 1998-04-15  
66 PRIOR APPLICATION NUMBER: 60/082568  
67 PRIOR FILING DATE: 1998-04-21  
68 PRIOR APPLICATION NUMBER: 60/082569  
69 PRIOR FILING DATE: 1998-04-21  
70 PRIOR APPLICATION NUMBER: 60/082704  
71 PRIOR FILING DATE: 1998-04-22  
72 PRIOR APPLICATION NUMBER: 60/082797  
73 PRIOR FILING DATE: 1998-04-22  
74 PRIOR APPLICATION NUMBER: 60/083322  
75 PRIOR FILING DATE: 1998-04-28  
76 PRIOR APPLICATION NUMBER: 60/083495  
77 PRIOR FILING DATE: 1998-04-29  
78 PRIOR APPLICATION NUMBER: 60/083496  
79 PRIOR FILING DATE: 1998-04-29  
80 PRIOR APPLICATION NUMBER: 60/083499  
81 PRIOR FILING DATE: 1998-04-29  
82 PRIOR APPLICATION NUMBER: 60/083559  
83 PRIOR FILING DATE: 1998-04-29  
84 PRIOR APPLICATION NUMBER: 60/084366  
85 PRIOR FILING DATE: 1998-05-05  
86 PRIOR APPLICATION NUMBER: 60/084414  
87 PRIOR FILING DATE: 1998-05-06  
88 PRIOR APPLICATION NUMBER: 60/084639  
89 PRIOR FILING DATE: 1998-05-07  
90 PRIOR APPLICATION NUMBER: 60/084640  
91 PRIOR FILING DATE: 1998-05-07  
92 PRIOR APPLICATION NUMBER: 60/084643  
93 PRIOR FILING DATE: 1998-05-07  
94 PRIOR APPLICATION NUMBER: 60/085573  
95 PRIOR FILING DATE: 1998-05-15  
96 PRIOR APPLICATION NUMBER: 60/085579  
97 PRIOR FILING DATE: 1998-05-15  
98 PRIOR APPLICATION NUMBER: 60/085580  
99 PRIOR FILING DATE: 1998-05-15  
100 PRIOR APPLICATION NUMBER: 60/085582  
101 PRIOR FILING DATE: 1998-05-15  
102 PRIOR APPLICATION NUMBER: 60/085700  
103 PRIOR FILING DATE: 1998-05-15  
104 PRIOR APPLICATION NUMBER: 60/086023  
105 PRIOR FILING DATE: 1998-05-18  
106 PRIOR APPLICATION NUMBER: 60/086392  
107 PRIOR FILING DATE: 1998-05-22  
108 PRIOR APPLICATION NUMBER: 60/086486  
109 PRIOR FILING DATE: 1998-05-22  
110 PRIOR APPLICATION NUMBER: 60/087098  
111 PRIOR FILING DATE: 1998-05-28  
112 PRIOR APPLICATION NUMBER: 60/087208  
113 PRIOR FILING DATE: 1998-05-28  
114 PRIOR APPLICATION NUMBER: 60/087609  
115 PRIOR FILING DATE: 1998-06-02  
116 PRIOR APPLICATION NUMBER: 60/087759  
117 PRIOR FILING DATE: 1998-06-02  
118 PRIOR APPLICATION NUMBER: 60/087827  
119 PRIOR FILING DATE: 1998-06-03  
120 PRIOR APPLICATION NUMBER: 60/088025  
121 PRIOR FILING DATE: 1998-06-04  
122 PRIOR APPLICATION NUMBER: 60/088028  
123 PRIOR FILING DATE: 1998-06-04  
124 PRIOR APPLICATION NUMBER: 60/088029  
125 PRIOR FILING DATE: 1998-06-04  
126 PRIOR APPLICATION NUMBER: 60/088033  
127 PRIOR FILING DATE: 1998-06-04  
128 PRIOR APPLICATION NUMBER: 60/088167  
129 PRIOR FILING DATE: 1998-06-05  
130 PRIOR APPLICATION NUMBER: 60/088202  
131 PRIOR FILING DATE: 1998-06-05  
132 PRIOR APPLICATION NUMBER: 60/088212  
133 PRIOR FILING DATE: 1998-06-05  
134 PRIOR APPLICATION NUMBER: 60/088217  
135 PRIOR FILING DATE: 1998-06-05  
136 PRIOR APPLICATION NUMBER: 60/088326  
137 PRIOR FILING DATE: 1998-06-04  
138 PRIOR APPLICATION NUMBER: 60/088655  
139 PRIOR FILING DATE: 1998-06-09  
140 PRIOR APPLICATION NUMBER: 60/088722  
141 PRIOR FILING DATE: 1998-06-10  
142 PRIOR APPLICATION NUMBER: 60/088738  
143 PRIOR FILING DATE: 1998-06-10  
144 PRIOR APPLICATION NUMBER: 60/088740  
145 PRIOR FILING DATE: 1998-06-10  
146 PRIOR APPLICATION NUMBER: 60/088811  
147 PRIOR FILING DATE: 1998-04-22

22 20 EEVFGGGRSK 38

QY 1 EEVVPXXXXXX 11

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 111  
 US-10-184-630-444  
 ; Sequence 444, Application US/10184630  
 ; Publication No. US20030036133A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C195  
 ; CURRENT APPLICATION NUMBER: US/10/184,630  
 ; CURRENT FILING DATE: 2002-06-27  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-184-630-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 112  
 US-10-184-631-444  
 ; Sequence 444, Application US/10184631  
 ; Publication No. US20030036134A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C199  
 ; CURRENT APPLICATION NUMBER: US/10/184,631  
 ; CURRENT FILING DATE: 2002-06-27  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-184-631-444

Db 28 EEVPGGGRSK 38

RESULT 109  
 US-10-184-628-444  
 ; Sequence 444, Application US/10184628  
 ; Publication No. US20030036131A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C201  
 ; CURRENT APPLICATION NUMBER: US/10/184,628  
 ; CURRENT FILING DATE: 2002-06-27  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-184-628-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 110  
 US-10-184-629-444  
 ; Sequence 444, Application US/10184629  
 ; Publication No. US20030036132A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C214  
 ; CURRENT APPLICATION NUMBER: US/10/184,629  
 ; CURRENT FILING DATE: 2002-06-28  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-184-629-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;



; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-184-650-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:|:|:|

Db 28 EEVVPGGGRSK 38

RESULT 117

US-10-184-651-444

; Sequence 444, Application US/10184651

; Publication No. US20030036139A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC203

; CURRENT APPLICATION NUMBER: US/10/184,651

; CURRENT FILING DATE: 2002-06-27

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-184-651-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:|:|:|

Db 28 EEVVPGGGRSK 38

RESULT 118

US-10-187-588-444

; Sequence 444, Application US/10187588

; Publication No. US20030036140A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC270

; CURRENT APPLICATION NUMBER: US/10/187,588

; CURRENT FILING DATE: 2002-07-01

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-187-588-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:|:|:|

Db 28 EEVVPGGGRSK 38

RESULT 119

US-10-187-597-444

; Sequence 444, Application US/10187597

; Publication No. US20030036141A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC260

; CURRENT APPLICATION NUMBER: US/10/187,597

; CURRENT FILING DATE: 2002-07-01

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-187-597-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

|||||:|:|:|

Db 28 EEVVPGGGRSK 38

RESULT 120

US-10-187-598-444

; Sequence 444, Application US/10187598

; Publication No. US20030036142A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC236
; CURRENT APPLICATION NUMBER: US/10/187,598
; PRIOR APPLICATION DATE: 2002-07-01
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-598-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 121
US-10-187-600-444
; Sequence 444, Application US/10187600
; Publication No. US20030036143A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC244
; CURRENT APPLICATION NUMBER: US/10/187,600
; CURRENT FILING DATE: 2002-07-02
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-600-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 122
US-10-187-601-444
; Sequence 444, Application US/10187601
; Publication No. US20030036144A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
```

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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC249
; CURRENT APPLICATION NUMBER: US/10/187,601
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-601-444
```

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

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RESULT 123
US-10-187-602-444
; Sequence 444, Application US/10187602
; Publication No. US20030036145A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC230
; CURRENT APPLICATION NUMBER: US/10/187,602
; CURRENT FILING DATE: 2002-07-02
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-602-444
```

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

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RESULT 124
US-10-187-603-444
; Sequence 444, Application US/10187603
; Publication No. US20030036146A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
```



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; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC236
; CURRENT APPLICATION NUMBER: US/10/187,603
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-603-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 125
US-10-187-741-444
; Sequence 444, Application US/10187741
; Publication No. US20030036147A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC235
; CURRENT APPLICATION NUMBER: US/10/187,741
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-741-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 126
US-10-187-743-444
; Sequence 444, Application US/10187743
; Publication No. US20030036148A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

```

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC237
; CURRENT APPLICATION NUMBER: US/10/187,743
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-743-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 127
US-10-187-746-444
; Sequence 444, Application US/10187746
; Publication No. US20030036149A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC234
; CURRENT APPLICATION NUMBER: US/10/187,746
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-746-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 128
US-10-187-747-444
; Sequence 444, Application US/10187747
; Publication No. US20030036150A1

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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC245
; CURRENT APPLICATION NUMBER: US/10/187,747
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-747-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 129
US-10-187-751-444
; Sequence 444, Application US/10187751
; Publication No. US20030036151A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC265
; CURRENT APPLICATION NUMBER: US/10/187,751
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-751-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 130
US-10-187-751-444
; Sequence 444, Application US/10187751
; Publication No. US20030036151A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC265
; CURRENT APPLICATION NUMBER: US/10/187,751
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-751-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 131
US-10-187-754-444
; Sequence 444, Application US/10187754
; Publication No. US20030036153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC238
; CURRENT APPLICATION NUMBER: US/10/187,754
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-754-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

```

US-10-187-753-444
; Sequence 444, Application US/10187753
; Publication No. US20030036152A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC229
; CURRENT APPLICATION NUMBER: US/10/187,753
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-753-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 131
US-10-187-754-444
; Sequence 444, Application US/10187754
; Publication No. US20030036153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC238
; CURRENT APPLICATION NUMBER: US/10/187,754
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-754-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

## RESULT 132

US-10-187-757-444

; Sequence 444, Application US/10187757

; Publication No. US20030036154A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C242

; CURRENT APPLICATION NUMBER: US/10/187.757

; CURRENT FILING DATE: 2002-07-02

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-187-757-444

Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

| | | | | : : : : :

Db 28 EEVVPGGGRSK 38

## RESULT 133

US-10-187-884-444

; Sequence 444, Application US/10187884

; Publication No. US20030036155A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C254

; CURRENT APPLICATION NUMBER: US/10/187.884

; CURRENT FILING DATE: 2002-07-01

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-187-884-444

Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

| | | | | : : : : :

Db 28 EEVVPGGGRSK 38

## RESULT 134

US-10-188-767-444

; Sequence 444, Application US/10188767

; Publication No. US20030036156A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C272

; CURRENT APPLICATION NUMBER: US/10/188.767

; CURRENT FILING DATE: 2002-07-02

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-188-767-444

Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

; PRIOR FILING DATE: 1998-03-11  
 ; PRIOR APPLICATION NUMBER: 60/077649  
 ; PRIOR FILING DATE: 1998-03-11  
 ; PRIOR APPLICATION NUMBER: 60/078886  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/078939  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/079664  
 ; PRIOR FILING DATE: 1998-03-27  
 ; PRIOR APPLICATION NUMBER: 60/079786  
 ; PRIOR FILING DATE: 1998-03-27  
 ; PRIOR APPLICATION NUMBER: 60/080107  
 ; PRIOR FILING DATE: 1998-03-31  
 ; PRIOR APPLICATION NUMBER: 60/080194  
 ; PRIOR FILING DATE: 1998-03-31  
 ; PRIOR APPLICATION NUMBER: 60/080327  
 ; PRIOR FILING DATE: 1998-04-01  
 ; PRIOR APPLICATION NUMBER: 60/080333  
 ; PRIOR FILING DATE: 1998-04-01  
 ; PRIOR APPLICATION NUMBER: 60/081049  
 ; PRIOR FILING DATE: 1998-04-08  
 ; PRIOR APPLICATION NUMBER: 60/081070  
 ; PRIOR FILING DATE: 1998-04-08  
 ; PRIOR APPLICATION NUMBER: 60/081195  
 ; PRIOR FILING DATE: 1998-04-09  
 ; PRIOR APPLICATION NUMBER: 60/081838  
 ; PRIOR FILING DATE: 1998-04-15  
 ; PRIOR APPLICATION NUMBER: 60/082568  
 ; PRIOR FILING DATE: 1998-04-21  
 ; PRIOR APPLICATION NUMBER: 60/082569  
 ; PRIOR FILING DATE: 1998-04-21  
 ; PRIOR APPLICATION NUMBER: 60/082704  
 ; PRIOR FILING DATE: 1998-04-22  
 ; PRIOR APPLICATION NUMBER: 60/082797  
 ; PRIOR FILING DATE: 1998-04-22  
 ; PRIOR APPLICATION NUMBER: 60/083322  
 ; PRIOR FILING DATE: 1998-04-28  
 ; PRIOR APPLICATION NUMBER: 60/083495  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/083496  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/083499  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/083559  
 ; PRIOR FILING DATE: 1998-04-29  
 ; PRIOR APPLICATION NUMBER: 60/084366  
 ; PRIOR FILING DATE: 1998-05-05  
 ; PRIOR APPLICATION NUMBER: 60/084414  
 ; PRIOR FILING DATE: 1998-05-06  
 ; PRIOR APPLICATION NUMBER: 60/084639  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/084640  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/084643  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/085573  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085579  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085580  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085582  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/085700  
 ; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/086023  
 ; PRIOR FILING DATE: 1998-05-18  
 ; PRIOR APPLICATION NUMBER: 60/086392  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/086486  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/087098  
 ; PRIOR FILING DATE: 1998-05-28

; PRIOR APPLICATION NUMBER: 60/087208  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087609  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087759  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087827  
 ; PRIOR FILING DATE: 1998-06-03  
 ; PRIOR APPLICATION NUMBER: 60/088025  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088028  
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 ; PRIOR APPLICATION NUMBER: 60/088029  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088033  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088167  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088202  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088212  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088217  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088326  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088655  
 ; PRIOR FILING DATE: 1998-06-09  
 ; PRIOR APPLICATION NUMBER: 60/088722  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088740  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088811  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088824  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088825  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088826  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088861  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088863  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089090  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVVVPXXXXX 11  
 DB 28 EVVVPGGGRSK 38

RESULT 135  
 US-10-188-769-444

Thu May 29 17:38:57 2003

```

; Sequence 444, Application US/10188769
; Publication No. US20030036157A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC274
; CURRENT APPLICATION NUMBER: US/10/188,769
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-188-769-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

```

```

RESULT 136
US-10-188-770-444
; Sequence 444, Application US/10188770
; Publication No. US20030036158A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC271
; CURRENT APPLICATION NUMBER: US/10/188,770
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-188-770-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

```

```

RESULT 137
US-10-188-773-444
; Sequence 444, Application US/10188773
; Publication No. US20030036159A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC280
; CURRENT APPLICATION NUMBER: US/10/188,773
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-188-773-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

```

```

RESULT 138
US-10-188-781-444
; Sequence 444, Application US/10188781
; Publication No. US20030036160A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC279
; CURRENT APPLICATION NUMBER: US/10/188,781
; CURRENT FILING DATE: 2002-07-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-188-781-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11

```

```

Db      28 EEVPPGGGRSK 38
|||||:
RESULT 139
US-10-194-361-444
; Sequence 444, Application US/10194361
; Publication No. US20030036162A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C301
; CURRENT APPLICATION NUMBER: US/10/194,361
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
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; PRIOR APPLICATION NUMBER: 60/063540
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; PRIOR APPLICATION NUMBER: 60/063544
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; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
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; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
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; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVPPXXXXX 11
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Db      28 EEVPPGGGRSK 38
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RESULT 140
US-10-194-423-444
; Sequence 444, Application US/10194423
; Publication No. US20030036162A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

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; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081070
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; PRIOR APPLICATION NUMBER: 60/081838
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; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
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; PRIOR APPLICATION NUMBER: 60/087208
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; PRIOR FILING DATE: 1998-06-04

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; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088655
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; PRIOR APPLICATION NUMBER: 60/088738
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; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

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Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

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RESULT 141

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US-10-195-897-444
; Sequence 444, Application US/10195897
; Publication No. US20030036164A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME

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; FILE REFERENCE: P3430R1C317  
; CURRENT APPLICATION NUMBER: US/10/195,897  
; CURRENT FILING DATE: 2002-07-15  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-195-901-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVVPGGGRSK 38

## RESULT 142

US-10-195-901-444  
; Sequence 444, Application US/10195901  
; Publication No. US20030036165A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C333  
; CURRENT APPLICATION NUMBER: US/10/195,901  
; CURRENT FILING DATE: 2002-07-15  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-195-901-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVVPGGGRSK 38

## RESULT 143

US-10-196-756-444  
; Sequence 444, Application US/10196756  
; Publication No. US20030034993A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C343  
; CURRENT APPLICATION NUMBER: US/10/196,756  
; CURRENT FILING DATE: 2002-07-16  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-196-756-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVVPGGGRSK 38

## RESULT 144

US-10-230-163-108  
; Sequence 108, Application US/10230163  
; Publication No. US20030036635A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C96  
; CURRENT APPLICATION NUMBER: US/10/230,163  
; CURRENT FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
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; PRIOR APPLICATION NUMBER: 60/064103  
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; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
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; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
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; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/081955  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082804  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/084441  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: 60/085323



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Thu May 29 17:38:57 2003

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; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
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; PRIOR FILING DATE: 1998-06-25
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; PRIOR FILING DATE: 1998-08-04
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; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
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; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361

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; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match          100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
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Db 28 EEVPPGGGRSK 38

RESULT 145
US-09-989-726-359
; Sequence 359, Application US/09895726
; Publication No. US20030040473A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Geiber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C60
; CURRENT APPLICATION NUMBER: US/09/989, 726
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088810
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088858
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
```

Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY

1 EEVVPXXXXXX 11

|||||:|:|:|

Db

28 EEVPGGGRSK 38

RESULT 146

US-10-173-708-444

; Sequence 444, Application US/10173708

; Publication No. US20030040053A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C4

; CURRENT APPLICATION NUMBER: US/10/173.708

; CURRENT FILING DATE: 2002-06-17

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-173-708-444

Query Match

Best Local Similarity 100.0%; Score 31; DB 9; Length 135;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY

1 EEVVPXXXXXX 11

|||||:|:|:|

Db

28 EEVPGGGRSK 38

RESULT 147

US-10-176-479-444

; Sequence 444, Application US/10176479

; Publication No. US20030040054A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C71

; CURRENT APPLICATION NUMBER: US/10/176.479

; CURRENT FILING DATE: 2002-06-20

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

PRIOR APPLICATION NUMBER: 60/089908.

PRIOR FILING DATE: 1998-06-18

PRIOR APPLICATION NUMBER: 60/089947

PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/089948

PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/089952

PRIOR FILING DATE: 1998-06-19

PRIOR APPLICATION NUMBER: 60/090246

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090252

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090254

PRIOR FILING DATE: 1998-06-22

PRIOR APPLICATION NUMBER: 60/090349

PRIOR FILING DATE: 1998-06-23

PRIOR APPLICATION NUMBER: 60/090355

PRIOR FILING DATE: 1998-06-23

PRIOR APPLICATION NUMBER: 60/090429

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090431

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090435

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090444

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090445

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090472

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090535

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090540

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090542

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090557

PRIOR FILING DATE: 1998-06-24

PRIOR APPLICATION NUMBER: 60/090676

PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090678

PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090690

PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090694

PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090695

PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090696

PRIOR FILING DATE: 1998-06-25

PRIOR APPLICATION NUMBER: 60/090862

PRIOR FILING DATE: 1998-06-26

PRIOR APPLICATION NUMBER: 60/090863

PRIOR FILING DATE: 1998-06-26

PRIOR APPLICATION NUMBER: 60/091360

PRIOR FILING DATE: 1998-07-01

PRIOR APPLICATION NUMBER: 60/091478

PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091544

PRIOR FILING DATE: 1998-07-01

PRIOR APPLICATION NUMBER: 60/091519

PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091626

PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091633

PRIOR FILING DATE: 1998-07-02

PRIOR APPLICATION NUMBER: 60/091978

PRIOR FILING DATE: 1998-07-07

PRIOR APPLICATION NUMBER: 60/091982

PRIOR FILING DATE: 1998-07-07

PRIOR APPLICATION NUMBER: 60/092182

PRIOR FILING DATE: 1998-07-09

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; ORGANISM: Homo Sapien
US-10-176-479-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 148
US-10-176-748-444
; Sequence 444, Application US/10176748
; Publication No. US20030040055A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC105
; CURRENT APPLICATION NUMBER: US/10/176,748
; PRIOR APPLICATION: 2002-06-21
; Number of SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-748-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 149
US-10-176-916-444
; Sequence 444, Application US/10176916
; Publication No. US20030040056A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC95
; CURRENT APPLICATION NUMBER: US/10/176,916
; PRIOR APPLICATION: 2002-06-21
; Number of SEQ ID NOS: 612
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; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-916-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 150
US-10-179-507-444
; Sequence 444, Application US/10179507
; Publication No. US20030040057A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC135
; CURRENT APPLICATION NUMBER: US/10/179,507
; PRIOR APPLICATION: 2002-06-24
; Number of SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-179-507-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
DB 28 EEVVPGGGRSK 38

RESULT 151
US-10-179-516-444
; Sequence 444, Application US/10179516
; Publication No. US20030040058A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC126
; CURRENT APPLICATION NUMBER: US/10/179,516
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; CURRENT FILING DATE: 2002-06-24  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-516-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

## RESULT 152

US-10-179-519-444  
; Sequence 444, Application US/10179519  
; Publication No. US20030040059A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C143

; CURRENT APPLICATION NUMBER: US/10/179,519  
; CURRENT FILING DATE: 2002-06-24

; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-519-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

## RESULT 153

US-10-179-525-444  
; Sequence 444, Application US/10179525  
; Publication No. US20030040060A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C130

; CURRENT APPLICATION NUMBER: US/10/179,525

; CURRENT FILING DATE: 2002-06-24

; Prior Application removed - See file Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-179-525-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

## RESULT 154

US-10-180-540-444

; Sequence 444, Application US/10180540

; Publication No. US20030040061A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C145

; CURRENT APPLICATION NUMBER: US/10/180,540  
; CURRENT FILING DATE: 2002-06-25

; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-180-540-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPGGGRSK 38

## RESULT 155

US-10-180-545-444

; Sequence 444, Application US/10180545

; Publication No. US20030040062A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.

```
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C160
; CURRENT APPLICATION NUMBER: US/10/180,545
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-545-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 156
US-10-183-006-444
; Sequence 444, Application US/10183006
; Publication No. US20030040063A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C168
; CURRENT APPLICATION NUMBER: US/10/183,006
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-006-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 157
US-10-183-008-444
; Sequence 444, Application US/10183008
; Publication No. US20030040064A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C176
; CURRENT APPLICATION NUMBER: US/10/183,017
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-017-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 158
US-10-183-017-444
; Sequence 444, Application US/10183017
; Publication No. US20030040065A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C176
; CURRENT APPLICATION NUMBER: US/10/183,017
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-017-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 159
US-10-183-019-444
; Sequence 444, Application US/10183019
; Publication No. US20030040066A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
```

```
; APPLICANT: Zhang,Zemin
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C180
; CURRENT APPLICATION NUMBER: US/10/183,008
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-008-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 159
US-10-183-019-444
; Sequence 444, Application US/10183019
; Publication No. US20030040066A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
```

```
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C183
; CURRENT APPLICATION NUMBER: US/10/183,019
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-019-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:
Db 28 EEVVPGGGRSK 38

RESULT 160
US-10-184-618-444
; Sequence 444, Application US/10184618
; Publication No. US20030040067A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C188
; CURRENT APPLICATION NUMBER: US/10/184,618
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-618-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:
Db 28 EEVVPGGGRSK 38

RESULT 161
US-10-184-625-444
; Sequence 444, Application US/10184625
; Publication No. US20030040068A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C222
; CURRENT APPLICATION NUMBER: US/10/184,625
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-625-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:
Db 28 EEVVPGGGRSK 38

RESULT 162
US-10-184-626-444
; Sequence 444, Application US/10184626
; Publication No. US20030040069A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C209
; CURRENT APPLICATION NUMBER: US/10/184,626
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-626-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:
Db 28 EEVVPGGGRSK 38

RESULT 163
US-10-184-627-444
```

2y 1 EEVVPXXXX



Thu May 29 17:38:57 2003

audet-909164-5.dx-any.size600.rappb

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 169

US-10-194-462-444  
 ; Sequence 444, Application US/10194462  
 ; Publication No. US20030040076A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C311  
 ; CURRENT APPLICATION NUMBER: US/10/194,462  
 ; CURRENT FILING DATE: 2002-07-12  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-194-462-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 170

US-10-195-902-444  
 ; Sequence 444, Application US/10195902  
 ; Publication No. US20030038826A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C334  
 ; CURRENT APPLICATION NUMBER: US/10/195,902  
 ; CURRENT FILING DATE: 2002-07-15  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-195-902-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Db 28 EEVPGGGRSK 38

RESULT 167

US-10-188-774-444  
 ; Sequence 444, Application US/10188774  
 ; Publication No. US20030040074A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C278  
 ; CURRENT APPLICATION NUMBER: US/10/188,774  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-188-774-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 Db 28 EEVPGGGRSK 38

RESULT 168

US-10-188-775-444  
 ; Sequence 444, Application US/10188775  
 ; Publication No. US20030040075A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C273  
 ; CURRENT APPLICATION NUMBER: US/10/188,775  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-188-775-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

```

; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION DATA REMOVED - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-902-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXX 11
    |||||:
Db 28 EEVPGGGRSK 38

```

## RESULT 171

```

US-10-196-743-444
; Sequence 444, Application US/10196743
; Publication No. US2003003827A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C355
; CURRENT APPLICATION NUMBER: US/10/196,743
; PRIOR FILING DATE: 2002-07-16
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-743-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXX 11
    |||||:
Db 28 EEVPGGGRSK 38

```

## RESULT 172

```

US-10-196-745-444
; Sequence 444, Application US/10196745
; Publication No. US20030040077A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C344
; CURRENT APPLICATION NUMBER: US/10/196,745
; PRIOR FILING DATE: 2002-07-16
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-745-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXX 11
    |||||:
Db 28 EEVPGGGRSK 38

```

## RESULT 173

```

US-10-196-760-444
; Sequence 444, Application US/10196760
; Publication No. US20030038828A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C351
; CURRENT APPLICATION NUMBER: US/10/196,760
; PRIOR FILING DATE: 2002-07-16
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-760-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXX 11
    |||||:
Db 28 EEVPGGGRSK 38

```

## RESULT 174

```

US-10-196-762-444

```

; Sequence 444, Application US/10196762  
; Publication No. US20030040078A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1G336  
; CURRENT APPLICATION NUMBER: US/10/196,762  
; CURRENT FILING DATE: 2002-07-16  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-196-762-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 175  
US-10-197-695-444  
; Sequence 444, Application US/10197695  
; Publication No. US20030040079A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1G360  
; CURRENT APPLICATION NUMBER: US/10/197,695  
; CURRENT FILING DATE: 2002-07-17  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-197-695-444

; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-197-695-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 176  
US-09-990-437-359  
; Sequence 359, Application US/09990437  
; Publication No. US20030045463A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C49  
; CURRENT APPLICATION NUMBER: US/09/990,437  
; CURRENT FILING DATE: 2001-11-16  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07

1 PRIOR APPLICATION NUMBER: 60/087106  
2 PRIOR FILING DATE: 1998-05-28  
3 PRIOR APPLICATION NUMBER: 60/087607  
4 PRIOR FILING DATE: 1998-06-02  
5 PRIOR APPLICATION NUMBER: 60/087609  
6 PRIOR FILING DATE: 1998-06-02  
7 PRIOR APPLICATION NUMBER: 60/087759  
8 PRIOR FILING DATE: 1998-06-02  
9 PRIOR APPLICATION NUMBER: 60/087827  
10 PRIOR FILING DATE: 1998-06-03  
11 PRIOR APPLICATION NUMBER: 60/088021  
12 PRIOR FILING DATE: 1998-06-04  
13 PRIOR APPLICATION NUMBER: 60/088025  
14 PRIOR FILING DATE: 1998-06-04  
15 PRIOR APPLICATION NUMBER: 60/088026  
16 PRIOR FILING DATE: 1998-06-04  
17 PRIOR APPLICATION NUMBER: 60/088028  
18 PRIOR FILING DATE: 1998-06-04  
19 PRIOR APPLICATION NUMBER: 60/088029  
20 PRIOR FILING DATE: 1998-06-04  
21 PRIOR APPLICATION NUMBER: 60/088030  
22 PRIOR FILING DATE: 1998-06-04  
23 PRIOR APPLICATION NUMBER: 60/088033  
24 PRIOR FILING DATE: 1998-06-04  
25 PRIOR APPLICATION NUMBER: 60/088326  
26 PRIOR FILING DATE: 1998-06-04  
27 PRIOR APPLICATION NUMBER: 60/088167  
28 PRIOR FILING DATE: 1998-06-05  
29 PRIOR APPLICATION NUMBER: 60/088202  
30 PRIOR FILING DATE: 1998-06-05  
31 PRIOR APPLICATION NUMBER: 60/088212  
32 PRIOR FILING DATE: 1998-06-05  
33 PRIOR APPLICATION NUMBER: 60/088217  
34 PRIOR FILING DATE: 1998-06-05  
35 PRIOR APPLICATION NUMBER: 60/088555  
36 PRIOR FILING DATE: 1998-06-09  
37 PRIOR APPLICATION NUMBER: 60/088734  
38 PRIOR FILING DATE: 1998-06-10  
39 PRIOR APPLICATION NUMBER: 60/088738  
40 PRIOR FILING DATE: 1998-06-10  
41 PRIOR APPLICATION NUMBER: 60/088742  
42 PRIOR FILING DATE: 1998-06-10  
43 PRIOR APPLICATION NUMBER: 60/088810  
44 PRIOR FILING DATE: 1998-06-10  
45 PRIOR APPLICATION NUMBER: 60/088824  
46 PRIOR FILING DATE: 1998-06-10  
47 PRIOR APPLICATION NUMBER: 60/088826  
48 PRIOR FILING DATE: 1998-06-10  
49 PRIOR APPLICATION NUMBER: 60/088858  
50 PRIOR FILING DATE: 1998-06-11  
51 PRIOR APPLICATION NUMBER: 60/088861  
52 PRIOR FILING DATE: 1998-06-11  
53 PRIOR APPLICATION NUMBER: 60/088876  
54 PRIOR FILING DATE: 1998-06-11  
55 PRIOR APPLICATION NUMBER: 60/089105  
56 PRIOR FILING DATE: 1998-06-12  
57 PRIOR APPLICATION NUMBER: 60/089440  
58 PRIOR FILING DATE: 1998-06-16  
59 PRIOR APPLICATION NUMBER: 60/089512  
60 PRIOR FILING DATE: 1998-06-16  
61 PRIOR APPLICATION NUMBER: 60/089514  
62 PRIOR FILING DATE: 1998-06-16  
63 PRIOR APPLICATION NUMBER: 60/089532  
64 PRIOR FILING DATE: 1998-06-17  
65 PRIOR APPLICATION NUMBER: 60/089538  
66 PRIOR FILING DATE: 1998-06-17  
67 PRIOR APPLICATION NUMBER: 60/089598  
68 PRIOR FILING DATE: 1998-06-17  
69 PRIOR APPLICATION NUMBER: 60/089599  
70 PRIOR FILING DATE: 1998-06-17  
71 PRIOR APPLICATION NUMBER: 60/089600  
72 PRIOR FILING DATE: 1998-06-17  
73 PRIOR APPLICATION NUMBER: 60/089653

74 PRIOR FILING DATE: 1998-06-17  
75 PRIOR APPLICATION NUMBER: 60/089801  
76 PRIOR FILING DATE: 1998-06-18  
77 PRIOR APPLICATION NUMBER: 60/089907  
78 PRIOR FILING DATE: 1998-06-18  
79 PRIOR APPLICATION NUMBER: 60/089908  
80 PRIOR FILING DATE: 1998-06-18  
81 PRIOR APPLICATION NUMBER: 60/089947  
82 PRIOR FILING DATE: 1998-06-19  
83 PRIOR APPLICATION NUMBER: 60/089948  
84 PRIOR FILING DATE: 1998-06-19  
85 PRIOR APPLICATION NUMBER: 60/089952  
86 PRIOR FILING DATE: 1998-06-19  
87 PRIOR APPLICATION NUMBER: 60/090246  
88 PRIOR FILING DATE: 1998-06-22  
89 PRIOR APPLICATION NUMBER: 60/090252  
90 PRIOR FILING DATE: 1998-06-22  
91 PRIOR APPLICATION NUMBER: 60/090254  
92 PRIOR FILING DATE: 1998-06-22  
93 PRIOR APPLICATION NUMBER: 60/090349  
94 PRIOR FILING DATE: 1998-06-23  
95 PRIOR APPLICATION NUMBER: 60/090355  
96 PRIOR FILING DATE: 1998-06-23  
97 PRIOR APPLICATION NUMBER: 60/090429  
98 PRIOR FILING DATE: 1998-06-24  
99 PRIOR APPLICATION NUMBER: 60/090431  
100 PRIOR FILING DATE: 1998-06-24  
101 PRIOR APPLICATION NUMBER: 60/090435  
102 PRIOR FILING DATE: 1998-06-24  
103 PRIOR APPLICATION NUMBER: 60/090444  
104 PRIOR FILING DATE: 1998-06-24  
105 PRIOR APPLICATION NUMBER: 60/090445  
106 PRIOR FILING DATE: 1998-06-24  
107 PRIOR APPLICATION NUMBER: 60/090472  
108 PRIOR FILING DATE: 1998-06-24  
109 PRIOR APPLICATION NUMBER: 60/090535  
110 PRIOR FILING DATE: 1998-06-24  
111 PRIOR APPLICATION NUMBER: 60/090540  
112 PRIOR FILING DATE: 1998-06-24  
113 PRIOR APPLICATION NUMBER: 60/090542  
114 PRIOR FILING DATE: 1998-06-24  
115 PRIOR APPLICATION NUMBER: 60/090557  
116 PRIOR FILING DATE: 1998-06-24  
117 PRIOR APPLICATION NUMBER: 60/090676  
118 PRIOR FILING DATE: 1998-06-25  
119 PRIOR APPLICATION NUMBER: 60/090678  
120 PRIOR FILING DATE: 1998-06-25  
121 PRIOR APPLICATION NUMBER: 60/090690  
122 PRIOR FILING DATE: 1998-06-25  
123 PRIOR APPLICATION NUMBER: 60/090694  
124 PRIOR FILING DATE: 1998-06-25  
125 PRIOR APPLICATION NUMBER: 60/090695  
126 PRIOR FILING DATE: 1998-06-25  
127 PRIOR APPLICATION NUMBER: 60/090696  
128 PRIOR FILING DATE: 1998-06-25  
129 PRIOR APPLICATION NUMBER: 60/090862  
130 PRIOR FILING DATE: 1998-06-26  
131 PRIOR APPLICATION NUMBER: 60/090863  
132 PRIOR FILING DATE: 1998-06-26  
133 PRIOR APPLICATION NUMBER: 60/091360  
134 PRIOR FILING DATE: 1998-07-01  
135 PRIOR APPLICATION NUMBER: 60/091478  
136 PRIOR FILING DATE: 1998-07-02  
137 PRIOR APPLICATION NUMBER: 60/091544  
138 PRIOR FILING DATE: 1998-07-01  
139 PRIOR APPLICATION NUMBER: 60/091519  
140 PRIOR FILING DATE: 1998-07-02  
141 PRIOR APPLICATION NUMBER: 60/091626  
142 PRIOR FILING DATE: 1998-07-02  
143 PRIOR APPLICATION NUMBER: 60/091633  
144 PRIOR FILING DATE: 1998-07-02  
145 PRIOR APPLICATION NUMBER: 60/091978  
146 PRIOR FILING DATE: 1998-07-07

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;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEWVXXXXXX 11  
Db 28 EEWVPGGRSK 38

RESULT 177

US-09-998-156-359

;; Sequence 359, Application US/09998156

;; Publication No. US20030044806A1

;; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.

;; APPLICANT: Baker, Kevin P.

;; APPLICANT: Botstein, David

;; APPLICANT: Desnoyers, Luc

;; APPLICANT: Eaton, Dan L.

;; APPLICANT: Ferrara, Napoleone

;; APPLICANT: Fong, Sherman

;; APPLICANT: Gerber, Hanspeter

;; APPLICANT: Gerritsen, Mary E.

;; APPLICANT: Goddard, Audrey

;; APPLICANT: Godowski, Paul J.

;; APPLICANT: Grimaldi, J. Christopher

;; APPLICANT: Gurney, Austin L.

;; APPLICANT: Kijavlin, Ivar J.

;; APPLICANT: Napier, Mary A.

;; APPLICANT: Pan, James

;; APPLICANT: Paoni, Nicholas F.

;; APPLICANT: Roy, Margaret Ann

;; APPLICANT: Stewart, Timothy A.

;; APPLICANT: Tumas, Daniel

;; APPLICANT: Watanabe, Colin K.

;; APPLICANT: Williams, P. Mickey

;; APPLICANT: Wood, William I.

;; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

;; TITLE OF INVENTION: Acids Encoding the Same

;; FILE REFERENCE: P2730PIC28

;; CURRENT APPLICATION NUMBER: US/09/998,156

;; CURRENT FILING DATE: 2001-11-15

;; PRIOR APPLICATION NUMBER: 60/049787

;; PRIOR FILING DATE: 1997-06-16

;; PRIOR APPLICATION NUMBER: 60/062250

;; PRIOR FILING DATE: 1997-10-17

;; PRIOR APPLICATION NUMBER: 60/065186

;; PRIOR FILING DATE: 1997-11-12

;; PRIOR APPLICATION NUMBER: 60/065311

;; PRIOR FILING DATE: 1997-11-13

;; PRIOR APPLICATION NUMBER: 60/066770

;; PRIOR FILING DATE: 1997-11-24

;; PRIOR APPLICATION NUMBER: 60/075945

;; PRIOR FILING DATE: 1998-02-25

;; PRIOR APPLICATION NUMBER: 60/078910

;; PRIOR FILING DATE: 1998-03-20

;; PRIOR APPLICATION NUMBER: 60/083322

;; PRIOR FILING DATE: 1998-04-28

;; PRIOR APPLICATION NUMBER: 60/084600

;; PRIOR FILING DATE: 1998-05-07

;; PRIOR APPLICATION NUMBER: 60/087106

;; PRIOR FILING DATE: 1998-05-28

;; PRIOR APPLICATION NUMBER: 60/087607

;; PRIOR FILING DATE: 1998-06-02

;; PRIOR APPLICATION NUMBER: 60/087609

;; PRIOR FILING DATE: 1998-06-02

;; PRIOR APPLICATION NUMBER: 60/087759

;; PRIOR FILING DATE: 1998-06-02

;; PRIOR APPLICATION NUMBER: 60/087759

;; PRIOR FILING DATE: 1998-06-02

;; PRIOR APPLICATION NUMBER: 60/087759

;; PRIOR FILING DATE: 1998-06-02

;; PRIOR APPLICATION NUMBER: 60/087759

;; PRIOR FILING DATE: 1998-06-02

;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089908  
;; PRIOR FILING DATE: 1998-06-18

; PRIOR APPLICATION NUMBER: 60/089947  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089948  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089952  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/090246  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090252  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090254  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090349  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090355  
 ; PRIOR FILING DATE: 1998-06-23  
 ; PRIOR APPLICATION NUMBER: 60/090429  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090431  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090435  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090444  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090445  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090472  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090535  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090540  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090542  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090557  
 ; PRIOR FILING DATE: 1998-06-24  
 ; PRIOR APPLICATION NUMBER: 60/090676  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090678  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090690  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090694  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090695  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090696  
 ; PRIOR FILING DATE: 1998-06-25  
 ; PRIOR APPLICATION NUMBER: 60/090862  
 ; PRIOR FILING DATE: 1998-06-26  
 ; PRIOR APPLICATION NUMBER: 60/090863  
 ; PRIOR FILING DATE: 1998-06-26  
 ; PRIOR APPLICATION NUMBER: 60/091360  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091478  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091544  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091519  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091626  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 EEVVPXXXXX 11  
 Db 28 EEVPPGGGRSK 38  
 RESULT 178  
 US-10-176-484-444  
 ; Sequence 444, Application US/10176484  
 ; Publication No. US20030044916A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C64  
 ; CURRENT APPLICATION NUMBER: US/10/176,484  
 ; CURRENT FILING DATE: 2002-06-20  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-176-484-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 Db 28 EEVPPGGGRSK 38

RESULT 179  
 US-10-176-753-444  
 ; Sequence 444, Application US/10176753  
 ; Publication No. US20030044917A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P34301C67  
 ; CURRENT APPLICATION NUMBER: US/10/176,753  
 ; CURRENT FILING DATE: 2002-06-20  
 ; Prior application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-176-753-444

```

Query Match      100.0%:   Score 31;   DB 9;   Length 135;
Best Local Similarity 45.5%;   Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXXX 11
        |||||:|:|:|:|
Db      28 EEVFPGGGSK 38

```

```

; Sequence 444, Application US/10176917
; Publication NO. US20030044918A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P34301C77
; CURRENT APPLICATION NUMBER: US/10/176,917
; CURRENT Filing DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-176-917-444
; Query Match 100.0%; Score 31; DB 9; Length 135;

```

```

Matches      5;  Conservative      6;  Mismatches      0;  Indels      0;  Gaps      0
Qy      1  EEVVPVXXXXX 11
Db      28  EEVVPVGGGRSK 38
          -|||||:||||:
RESULT 181
US-10-176-982-444
; Sequence 444, Application US/10176982
; Publication No. US20030044919A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC118
; CURRENT APPLICATION NUMBER: US/10/176,982
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444

```





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```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C146
; CURRENT APPLICATION NUMBER: US/10/180,560
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-560-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

RESULT 188

```

US-10-183-015-444
; Sequence 444, Application US/10183015
; Publication No. US2003004926A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C166
; CURRENT APPLICATION NUMBER: US/10/183,015
; CURRENT FILING DATE: 2002-06-26
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-183-015-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

RESULT 189

```

US-10-184-615-444
; Sequence 444, Application US/10184615
; Publication No. US2003004927A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

```

```

; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C185
; CURRENT APPLICATION NUMBER: US/10/184,615
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-615-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

RESULT 190

```

US-10-184-620-444
; Sequence 444, Application US/10184620
; Publication No. US2003004928A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C216
; CURRENT APPLICATION NUMBER: US/10/184,620
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-620-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

```

RESULT 191

```

US-10-184-643-444
; Sequence 444, Application US/10184643
; Publication No. US2003004929A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```



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```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC504
; CURRENT APPLICATION NUMBER: US/10/205,908
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining prior application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-908-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||||:
Db      28 EEVPGGGRSK 38

RESULT 196
US-10-218-631-108
; Sequence 108, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC14

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; CURRENT APPLICATION NUMBER: US/10/218,631
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining prior application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-218-631-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
        |||||:
Db      28 EEVPGGGRSK 38

RESULT 197
US-10-230-338-108
; Sequence 108, Application US/10230338
; Publication No. US20030044934A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC92
; CURRENT APPLICATION NUMBER: US/10/230,338
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910

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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-338-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

RESULT 198
US-09-991-157-359
; Sequence 359, Application US/09991157
; Publication No. US20030049638A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C51
; CURRENT APPLICATION NUMBER: US/09/991,157
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
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; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089440
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; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089599
; PRIOR FILING DATE: 1998-06-17
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; PRIOR FILING DATE: 1998-07-02  
; PRIOR APPLICATION NUMBER: 60/091978  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09
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Query Match      100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred.No. 2.5e+02;  
Matches    5; Conservative    6; Mismatches    0; Indels    0; Gaps    0;

QY                 1 EEVVPXXXXX 11  
DB                 28 EEWVEGGGRSK 38

RESULT 199  
US-09-991-172-359  
Sequence 359, Application US/09991172  
Publication No. US20030050457A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnovers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspetter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kijavini, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same  
FILE REFERENCE: P2730P1C50  
CURRENT APPLICATION NUMBER: US/09/991,172  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02

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;	PRIOR FILING DATE:	1998-06-18
;	PRIOR APPLICATION NUMBER:	60/089908
;	PRIOR FILING DATE:	1998-06-18
;	PRIOR APPLICATION NUMBER:	60/089947
;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/089948
;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/089952
;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/090246
;	PRIOR FILING DATE:	1998-06-22
;	PRIOR APPLICATION NUMBER:	60/090252
;	PRIOR FILING DATE:	1998-06-22
;	PRIOR APPLICATION NUMBER:	60/090254
;	PRIOR FILING DATE:	1998-06-22
;	PRIOR APPLICATION NUMBER:	60/090349
;	PRIOR FILING DATE:	1998-06-23
;	PRIOR APPLICATION NUMBER:	60/090355
;	PRIOR FILING DATE:	1998-06-23
;	PRIOR APPLICATION NUMBER:	60/090429
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090431
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090435
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090444
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090445
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090472
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090535
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090540
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090542
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090557
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090676
;	PRIOR FILING DATE:	1998-06-25
;	PRIOR APPLICATION NUMBER:	60/090678
;	PRIOR FILING DATE:	1998-06-25
;	PRIOR APPLICATION NUMBER:	60/090690
;	PRIOR FILING DATE:	1998-06-25
;	PRIOR APPLICATION NUMBER:	60/090694
;	PRIOR FILING DATE:	1998-06-25
;	PRIOR APPLICATION NUMBER:	60/090695
;	PRIOR FILING DATE:	1998-06-25
;	PRIOR APPLICATION NUMBER:	60/090696
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;	PRIOR APPLICATION NUMBER:	60/090862
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;	PRIOR APPLICATION NUMBER:	60/090863
;	PRIOR FILING DATE:	1998-06-26
;	PRIOR APPLICATION NUMBER:	60/091360
;	PRIOR FILING DATE:	1998-07-01
;	PRIOR APPLICATION NUMBER:	60/091478
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091544
;	PRIOR FILING DATE:	1998-07-01
;	PRIOR APPLICATION NUMBER:	60/091519
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091626
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091633
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091978
;	PRIOR FILING DATE:	1998-07-07
;	PRIOR APPLICATION NUMBER:	60/091982
;	PRIOR FILING DATE:	1998-07-07
;	PRIOR APPLICATION NUMBER:	60/092182
;	PRIOR FILING DATE:	1998-07-09

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 200

US-09-997-514-359

; Sequence 359, Application US/09997514

; Publication No. US20030049681A1

GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey J.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730P1C46

; CURRENT APPLICATION NUMBER: US/09/997,514

; CURRENT FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/083322

; PRIOR FILING DATE: 1998-04-28

; PRIOR APPLICATION NUMBER: 60/084600

; PRIOR FILING DATE: 1998-05-07

; PRIOR APPLICATION NUMBER: 60/087106

; PRIOR FILING DATE: 1998-05-28

; PRIOR APPLICATION NUMBER: 60/087607

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087609

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087759

; PRIOR FILING DATE: 1998-06-02

; PRIOR APPLICATION NUMBER: 60/087827

; PRIOR FILING DATE: 1998-06-03

; PRIOR APPLICATION NUMBER: 60/088021

; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088025  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088026  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088028  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088029  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088030  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088033  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088326  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088167  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088202  
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; PRIOR APPLICATION NUMBER: 60/088217  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088655  
; PRIOR FILING DATE: 1998-06-09  
; PRIOR APPLICATION NUMBER: 60/088734  
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; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088810  
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; PRIOR APPLICATION NUMBER: 60/088824  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088826  
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; PRIOR FILING DATE: 1998-06-11  
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; PRIOR FILING DATE: 1998-06-16  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089598  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089599  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089600  
; PRIOR FILING DATE: 1998-06-17  
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; PRIOR APPLICATION NUMBER: 60/089907  
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; PRIOR APPLICATION NUMBER: 60/089908  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/089947  
; PRIOR FILING DATE: 1998-06-19  
; PRIOR APPLICATION NUMBER: 60/089948  
; PRIOR FILING DATE: 1998-06-19

1	PRIOR APPLICATION NUMBER: 60/089951
2	PRIOR FILING DATE: 1998-06-19
3	PRIOR APPLICATION NUMBER: 60/090246
4	PRIOR FILING DATE: 1998-06-22
5	PRIOR APPLICATION NUMBER: 60/090252
6	PRIOR FILING DATE: 1998-06-22
7	PRIOR APPLICATION NUMBER: 60/090254
8	PRIOR FILING DATE: 1998-06-22
9	PRIOR APPLICATION NUMBER: 60/090349
10	PRIOR FILING DATE: 1998-06-23
11	PRIOR APPLICATION NUMBER: 60/090355
12	PRIOR FILING DATE: 1998-06-23
13	PRIOR APPLICATION NUMBER: 60/090429
14	PRIOR FILING DATE: 1998-06-24
15	PRIOR APPLICATION NUMBER: 60/090431
16	PRIOR FILING DATE: 1998-06-24
17	PRIOR APPLICATION NUMBER: 60/090435
18	PRIOR FILING DATE: 1998-06-24
19	PRIOR APPLICATION NUMBER: 60/090444
20	PRIOR FILING DATE: 1998-06-24
21	PRIOR APPLICATION NUMBER: 60/090445
22	PRIOR FILING DATE: 1998-06-24
23	PRIOR APPLICATION NUMBER: 60/090472
24	PRIOR FILING DATE: 1998-06-24
25	PRIOR APPLICATION NUMBER: 60/090535
26	PRIOR FILING DATE: 1998-06-24
27	PRIOR APPLICATION NUMBER: 60/090540
28	PRIOR FILING DATE: 1998-06-24
29	PRIOR APPLICATION NUMBER: 60/090542
30	PRIOR FILING DATE: 1998-06-24
31	PRIOR APPLICATION NUMBER: 60/090557
32	PRIOR FILING DATE: 1998-06-24
33	PRIOR APPLICATION NUMBER: 60/090676
34	PRIOR FILING DATE: 1998-06-25
35	PRIOR APPLICATION NUMBER: 60/090678
36	PRIOR FILING DATE: 1998-06-25
37	PRIOR APPLICATION NUMBER: 60/090690
38	PRIOR FILING DATE: 1998-06-25
39	PRIOR APPLICATION NUMBER: 60/090694
40	PRIOR FILING DATE: 1998-06-25
41	PRIOR APPLICATION NUMBER: 60/090695
42	PRIOR FILING DATE: 1998-06-25
43	PRIOR APPLICATION NUMBER: 60/090696
44	PRIOR FILING DATE: 1998-06-25
45	PRIOR APPLICATION NUMBER: 60/090862
46	PRIOR FILING DATE: 1998-06-26
47	PRIOR APPLICATION NUMBER: 60/090863
48	PRIOR FILING DATE: 1998-06-26
49	PRIOR APPLICATION NUMBER: 60/091360
50	PRIOR FILING DATE: 1998-07-01
51	PRIOR APPLICATION NUMBER: 60/091478
52	PRIOR FILING DATE: 1998-07-02
53	PRIOR APPLICATION NUMBER: 60/091544
54	PRIOR FILING DATE: 1998-07-01
55	PRIOR APPLICATION NUMBER: 60/091519
56	PRIOR FILING DATE: 1998-07-02
57	PRIOR APPLICATION NUMBER: 60/091626
58	PRIOR FILING DATE: 1998-07-02
59	PRIOR APPLICATION NUMBER: 60/091633
60	PRIOR FILING DATE: 1998-07-02
61	PRIOR APPLICATION NUMBER: 60/091978
62	PRIOR FILING DATE: 1998-07-07
63	PRIOR APPLICATION NUMBER: 60/091982
64	PRIOR FILING DATE: 1998-07-07
65	PRIOR APPLICATION NUMBER: 60/092182
66	PRIOR FILING DATE: 1998-07-05

Db 28 EEVPGGGRSK 38

RESULT 201

US-09-997-573-359

; Sequence 359, Application US/09997573

; Publication No. US20030049682A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerbter, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

TITLE OF INVENTION: Secured and Transmitted Data

TITLE OF INVENTION: Acids Encoding and Decoding

FILE REFERENCE: P2730PIC45

CURRENT APPLICATION NUMBER: US/09/997573

CURRENT FILING DATE: 2001-11-15

PRIOR APPLICATION NUMBER: 60/049787

PRIOR FILING DATE: 1997-06-16

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/065186

PRIOR FILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066770

PRIOR FILING DATE: 1997-11-24

PRIOR APPLICATION NUMBER: 60/075945

PRIOR FILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/083322

PRIOR FILING DATE: 1998-04-28

PRIOR APPLICATION NUMBER: 60/084600

PRIOR FILING DATE: 1998-05-07

PRIOR APPLICATION NUMBER: 60/087106

PRIOR FILING DATE: 1998-05-28

PRIOR APPLICATION NUMBER: 60/087607

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087609

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087759

PRIOR FILING DATE: 1998-06-02

PRIOR APPLICATION NUMBER: 60/087827

PRIOR FILING DATE: 1998-06-03

PRIOR APPLICATION NUMBER: 60/088021

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088025

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088026

PRIOR FILING DATE: 1998-06-04

PRIOR APPLICATION NUMBER: 60/088028

PRIOR FILING DATE: 1998-06-04



Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels

RESULT 202  
US-10-184-619-444  
; Sequence 444, Application US/10184619  
; Publication No. US20030049738A1



Thu May 29 17:38:57 2003

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C255  
;; CURRENT APPLICATION NUMBER: US/10/187,750  
;; CURRENT FILING DATE: 2002-07-01  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-187-750-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

Db 28 EEVPGGGRSK 38

RESULT 206

US-10-188-780-444  
;; Sequence 444, Application US/10188780  
;; Publication No. US20030049741A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C276  
;; CURRENT APPLICATION NUMBER: US/10/188,780  
;; CURRENT FILING DATE: 2002-07-02  
;; Prior Application removed - See File Wrapper or Palm  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-188-780-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

Db 28 EEVPGGGRSK 38

RESULT 207

US-10-192-015-444  
;; Sequence 444, Application US/10192015  
;; Publication No. US20030049742A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria

;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C284  
;; CURRENT APPLICATION NUMBER: US/10/192,015  
;; CURRENT FILING DATE: 2002-07-09  
;; PRIOR APPLICATION NUMBER: 10/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059266  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063564  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063734  
;; PRIOR FILING DATE: 1997-10-29  
;; PRIOR APPLICATION NUMBER: 60/063870  
;; PRIOR FILING DATE: 1997-10-31  
;; PRIOR APPLICATION NUMBER: 60/064103  
;; PRIOR FILING DATE: 1997-10-31  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066120  
;; PRIOR FILING DATE: 1997-11-21  
;; PRIOR APPLICATION NUMBER: 60/066466  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/066772  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/069335  
;; PRIOR FILING DATE: 1997-12-11  
;; PRIOR APPLICATION NUMBER: 60/069425  
;; PRIOR FILING DATE: 1997-12-12  
;; PRIOR APPLICATION NUMBER: 60/069870  
;; PRIOR FILING DATE: 1997-12-17  
;; PRIOR APPLICATION NUMBER: 60/068017  
;; PRIOR FILING DATE: 1997-12-18  
;; PRIOR APPLICATION NUMBER: 60/077450  
;; PRIOR FILING DATE: 1998-03-10  
;; PRIOR APPLICATION NUMBER: 60/077632  
;; PRIOR FILING DATE: 1998-03-11  
;; PRIOR APPLICATION NUMBER: 60/077649  
;; PRIOR FILING DATE: 1998-03-11  
;; PRIOR APPLICATION NUMBER: 60/078886  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/078939  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/079664  
;; PRIOR FILING DATE: 1998-03-27  
;; PRIOR APPLICATION NUMBER: 60/079786  
;; PRIOR FILING DATE: 1998-03-27  
;; PRIOR APPLICATION NUMBER: 60/080107  
;; PRIOR FILING DATE: 1998-03-31  
;; PRIOR APPLICATION NUMBER: 60/080194  
;; PRIOR FILING DATE: 1998-03-31  
;; PRIOR APPLICATION NUMBER: 60/080327  
;; PRIOR FILING DATE: 1998-04-01  
;; PRIOR APPLICATION NUMBER: 60/080333

;; PRIOR FILING DATE: 1998-04-01  
;; PRIOR APPLICATION NUMBER: 60/081049  
;; PRIOR FILING DATE: 1998-04-08  
;; PRIOR APPLICATION NUMBER: 60/081070  
;; PRIOR FILING DATE: 1998-04-08  
;; PRIOR APPLICATION NUMBER: 60/081195  
;; PRIOR FILING DATE: 1998-04-09  
;; PRIOR APPLICATION NUMBER: 60/081838  
;; PRIOR FILING DATE: 1998-04-15  
;; PRIOR APPLICATION NUMBER: 60/082568  
;; PRIOR FILING DATE: 1998-04-21  
;; PRIOR APPLICATION NUMBER: 60/082569  
;; PRIOR FILING DATE: 1998-04-21  
;; PRIOR APPLICATION NUMBER: 60/082704  
;; PRIOR FILING DATE: 1998-04-22  
;; PRIOR APPLICATION NUMBER: 60/082797  
;; PRIOR FILING DATE: 1998-04-22  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/083495  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083496  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083499  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/083559  
;; PRIOR FILING DATE: 1998-04-29  
;; PRIOR APPLICATION NUMBER: 60/084366  
;; PRIOR FILING DATE: 1998-05-05  
;; PRIOR APPLICATION NUMBER: 60/084414  
;; PRIOR FILING DATE: 1998-05-06  
;; PRIOR APPLICATION NUMBER: 60/084639  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084640  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/084643  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/085573  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085579  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085580  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085582  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086023  
;; PRIOR FILING DATE: 1998-05-18  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086486  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087098  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087208  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05

;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088740  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088811  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088825  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088863  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089090  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 208

US-10-194-394-444  
; Sequence 444, Application US/10194394  
; Publication No. US20030049743A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C298  
; CURRENT APPLICATION NUMBER: US/10/194,394

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

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; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-394-444

```

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 EEVVPXXXXXX 11
    |||||.....
Db 28 EEVVPGGGRSK 38

```

```

RESULT 209
US-10-194-425-444
; Sequence 444, Application US/10194425
; Publication No. US20030049744A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC292
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-394-444

```

```

; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-425-444

```

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 EEVVPXXXXXX 11
    |||||.....
Db 28 EEVVPGGGRSK 38

```

```

RESULT 210
US-10-194-485-444
; Sequence 444, Application US/10194485
; Publication No. US20030049745A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC297
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-485-444

```

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; Sequence 444, Application US/10194485
; Publication No. US20030049745A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC297
; CURRENT FILING DATE: 2002-07-11
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-194-485-444

```

Query Match 100.0%; Score 31; DB 9; Length 135;

```

Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 211
US-10-195-885-444
; Sequence 444, Application US/10195885
; Publication No. US20030049746A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C331
; CURRENT APPLICATION NUMBER: US/10/195,885
; CURRENT FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-885-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

```

RESULT 212
US-10-195-890-444
; Sequence 444, Application US/10195890
; Publication No. US20030050459A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian

```

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C321
; CURRENT APPLICATION NUMBER: US/10/195,890
; CURRENT FILING DATE: 2002-07-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-890-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

```

RESULT 213
US-10-195-899-444
; Sequence 444, Application US/10195899
; Publication No. US20030049747A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C322
; CURRENT APPLICATION NUMBER: US/10/195,899
; CURRENT FILING DATE: 2002-07-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-899-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

```

```

RESULT 214
US-10-196-748-444
; Sequence 444, Application US/10196748
; Publication No. US20030049748A1

```

audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC347
; CURRENT APPLICATION NUMBER: US/10/196,748
; CURRENT FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-750-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 216
US-10-197-699-444
; Sequence 444, Application US/10197699
; Publication No. US20030049750A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC374
; CURRENT APPLICATION NUMBER: US/10/197,699
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-748-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 215
US-10-196-750-444
; Sequence 444, Application US/10196750
; Publication No. US20030049749A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC348

```

```

; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-700-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 217

```

US-10-197-700-444
; Sequence 444, Application US/10197700
; Publication No. US20030049751A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C361
; CURRENT APPLICATION NUMBER: US/10/197,700
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION data removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-700-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 218

```

US-10-197-705-444
; Sequence 444, Application US/10197705.
; Publication No. US20030049752A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

```

```

; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C370
; CURRENT APPLICATION NUMBER: US/10/197,705
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION data removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-705-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 219

```

US-10-197-708-444
; Sequence 444, Application US/10197708
; Publication No. US20030049753A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C369
; CURRENT APPLICATION NUMBER: US/10/197,708
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT

```



RESULT 221  
US-10-198-765-444  
; Sequence 444, Application US/10198765

```

; FILE REFERENCE: P3430RIC408
; CURRENT APPLICATION NUMBER: US/10/198,768
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-768-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 223

```

US-10-198-769-444
; Sequence 444, Application US/10198769
; Publication No. US20030049757A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC397
; CURRENT APPLICATION NUMBER: US/10/198,769
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24

```

```

; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-769-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 224

```

US-10-199-305-444
; Sequence 444, Application US/10199305
; Publication No. US20030049758A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC420
; CURRENT APPLICATION NUMBER: US/10/199,305
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION data removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-305-444

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 EEVVPXXXXX 11
Db      28 EEVVPGGGRSK 38

```

## RESULT 225

```

US-10-199-306-444
; Sequence 444, Application US/10199306
; Publication No. US20030049759A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```

Thu May 29 17:38:57 2003

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APPLICANT: Gurney,Austin L.  
APPLICANT: Pan,James  
APPLICANT: Smith,Victoria  
APPLICANT: Watanabe,Colin K.  
APPLICANT: Wood,William I.  
APPLICANT: Zhang,Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430RIC404  
CURRENT APPLICATION NUMBER: US/10/199,306  
CURRENT FILING DATE: 2002-07-19  
Prior Application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-306-444

Query Match 100.0%; Score: 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 226  
US-10-199-310-444  
Sequence 444, Application US/10199310  
Publication No. US20030049760A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430RIC407  
CURRENT APPLICATION NUMBER: US/10/199,310  
CURRENT FILING DATE: 2002-07-19  
Prior Application Number: 10/052586  
Prior Filing Date: 2002-01-15  
Prior Application Number: 60/059263  
Prior Filing Date: 1997-09-18  
Prior Application Number: 60/059266  
Prior Filing Date: 1997-09-18  
Prior Application Number: 60/062250  
Prior Filing Date: 1997-09-18  
Prior Application Number: 60/062250  
Prior Filing Date: 1997-10-17  
Prior Application Number: 60/063120  
Prior Filing Date: 1997-10-24  
Prior Application Number: 60/063121  
Prior Filing Date: 1997-10-24  
Prior Application Number: 60/063486  
Prior Filing Date: 1997-10-21  
Prior Application Number: 60/063540  
Prior Filing Date: 1997-10-28  
Prior Application Number: 60/063541  
Prior Filing Date: 1997-10-28  
Prior Application Number: 60/063544  
Prior Filing Date: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-310-444

Query Match 100.0%; Score: 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 228  
US-10-199-314-444  
Sequence 444, Application US/10199311  
Publication No. US20030049761A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430RIC413  
CURRENT APPLICATION NUMBER: US/10/199,311  
CURRENT FILING DATE: 2002-07-19  
Prior Application Number: 10/052586  
Prior Filing Date: 2002-01-15  
Prior Application Number: 60/059263  
Prior Filing Date: 1997-09-18  
Prior Application Number: 60/059266  
Prior Filing Date: 1997-09-18  
Prior Application Number: 60/062250  
Prior Filing Date: 1997-10-17  
Prior Application Number: 60/063120  
Prior Filing Date: 1997-10-24  
Prior Application Number: 60/063121  
Prior Filing Date: 1997-10-24  
Prior Application Number: 60/063486  
Prior Filing Date: 1997-10-21  
Prior Application Number: 60/063540  
Prior Filing Date: 1997-10-28  
Prior Application Number: 60/063541  
Prior Filing Date: 1997-10-28  
Prior Application Number: 60/063544  
Prior Filing Date: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-311-444

TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-310-444  
Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 227  
US-10-199-311-444  
Sequence 444, Application US/10199311  
Publication No. US20030049761A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430RIC413  
CURRENT APPLICATION NUMBER: US/10/199,311  
CURRENT FILING DATE: 2002-07-19  
Prior Application Number: 10/052586  
Prior Filing Date: 2002-01-15  
Prior Application Number: 60/059263  
Prior Filing Date: 1997-09-18  
Prior Application Number: 60/059266  
Prior Filing Date: 1997-09-18  
Prior Application Number: 60/062250  
Prior Filing Date: 1997-10-17  
Prior Application Number: 60/063120  
Prior Filing Date: 1997-10-24  
Prior Application Number: 60/063121  
Prior Filing Date: 1997-10-24  
Prior Application Number: 60/063486  
Prior Filing Date: 1997-10-21  
Prior Application Number: 60/063540  
Prior Filing Date: 1997-10-28  
Prior Application Number: 60/063541  
Prior Filing Date: 1997-10-28  
Prior Application Number: 60/063544  
Prior Filing Date: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-311-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 228  
US-10-199-314-444

```
; Sequence 444, Application US/10199314
; Publication No. US20030049762A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC422
; CURRENT APPLICATION NUMBER: US/10/199,314
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-314-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 229
US-10-199-317-444
; Sequence 444, Application US/10199317
; Publication No. US20030049763A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC410
; CURRENT APPLICATION NUMBER: US/10/199,317
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-317-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
```

```
RESULT 230
US-10-199-665-444
; Sequence 444, Application US/10199665
; Publication No. US20030049764A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC393
; CURRENT APPLICATION NUMBER: US/10/199,665
; CURRENT FILING DATE: 2002-07-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-665-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

```

QY      1  EEWVXXXXXXXX 11
Db      28  EEWVPGGGRSK 38

RESULT 231
US-10-199-666-444
; Sequence 444, Application US/10199666
; Publication No. US20030049765A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C425
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-666-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1  EEWVXXXXXXXX 11
Db      28  EEWVPGGGRSK 38

RESULT 233
US-10-201-534-444
; Sequence 444, Application US/10201534
; Publication No. US20030049767A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C443
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263

```

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-534-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 28 EEVVPGGGRSK 38

## RESULT 234

US-10-201-770-444  
; Sequence 444, Application US/10201770  
; Publication No. US20030049768A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C437  
; CURRENT APPLICATION NUMBER: US/10/201,770  
; PRIOR FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-770-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 28 EEVVPGGGRSK 38

## RESULT 235

US-10-201-855-444  
; Sequence 444, Application US/10201855  
; Publication No. US20030049769A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C442  
; CURRENT APPLICATION NUMBER: US/10/201,855  
; PRIOR FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-855-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXXX 11



; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-470-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 239  
US-10-202-476-444  
; Sequence 444, Application US/10202476  
; Publication No. US2003004973A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC458  
; CURRENT APPLICATION NUMBER: US/10/202,476  
; CURRENT FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-470-444

; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-476-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 240  
US-10-202-934-444  
; Sequence 444, Application US/10202934  
; Publication No. US20030049774A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC477  
; CURRENT APPLICATION NUMBER: US/10/202,934  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-934-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
QY 1 EEVVPXXXXX 11  
Db 28 EEVPGGGRSK 38



Thu May 29 17:38:57 2003

```

; APPLICANT: Watanabe,Colin-K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C470
; CURRENT FILING DATE: 2002-07-24
; CURRENT APPLICATION NUMBER: US/10/202,936
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-936-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|:|
DB      28 EEVVPGGGRSK 38

RESULT 243
US-10-202-939-444
; Sequence 444, Application US/10202939
; Publication No. US20030049777A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C468
; CURRENT APPLICATION NUMBER: US/10/202,939
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-935-444

```

```

RESULT 241
US-10-202-935-444
; Sequence 444, Application US/10202935
; Publication No. US20030049775A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C478
; CURRENT APPLICATION NUMBER: US/10/202,935
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-935-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
        |||||:|:|:|:|:|
DB      28 EEVVPGGGRSK 38

RESULT 242
US-10-202-936-444
; Sequence 444, Application US/10202936
; Publication No. US20030049776A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

```

; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-939-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|||||

## RESULT 244

US-10-504-444  
; Sequence 444, Application US/10205504  
; Publication No. US20030049778A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C476  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: US/10/205,504  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/052586  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-205-504-444

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-205-504-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|||||

## RESULT 245

US-10-205-509-444  
; Sequence 444, Application US/10205509  
; Publication No. US20030049779A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C474  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: US/10/205,509  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-205-509-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|||||

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Thu May 29 17:38:57 2003

```

; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC521
; CURRENT APPLICATION NUMBER: US/10/205,899
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-205-899-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38

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```

RESULT 248
US-10-205-900-444
; Sequence 444, Application US/10205900
; Publication No. US20030049782A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC507
; CURRENT APPLICATION NUMBER: US/10/205,900
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120

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; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC495
; CURRENT APPLICATION NUMBER: US/10/205,895
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-205-895-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 EEVVPXXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38

```

```

RESULT 247
US-10-205-899-444
; Sequence 444, Application US/10205899
; Publication No. US20030049781A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.

```

; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-205-900-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 249

US-10-205-909-444  
; Sequence 444, Application US/10205909  
; Publication No. US20030049783A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC498  
; CURRENT APPLICATION NUMBER: US/10/205,909  
; PRIOR FILING DATE: 2002-07-25  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135

; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-205-909-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 250

US-10-230-414-108  
; Sequence 108, Application US/10230414  
; Publication No. US20030050448A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC98  
; CURRENT APPLICATION NUMBER: US/10/230,414  
; PRIOR FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-230-414-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:  
Db 28 EEVVPGGGRSK 38

## RESULT 251

US-09-990-443-359

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

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; Sequence 359, Application US/0990443
; Publication No. US20030054987A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C12
; CURRENT APPLICATION NUMBER: US/09/990,443
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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Query Match 100.0%; Score 31; DB 9; Length 135;  
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Db 28 EEVVPGGGRSK 38

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RESULT 252

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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc

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; APPLICANT: Eaton, Dan L.
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Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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RESULT 253  
US-09-997-559-359  
; Sequence 359, Application US/09997559  
; Publication No. US20030034403A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Bolstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
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 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090431  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090435  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090444  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090445  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090472  
 PRIOR FILING DATE: 1998-06-24  
 PRIOR APPLICATION NUMBER: 60/090535  
 PRIOR FILING DATE: 1998-06-24



PRIOR APPLICATION NUMBER: 60/090540	
PRIOR FILING DATE: 1998-06-24	
PRIOR APPLICATION NUMBER: 60/090542	
PRIOR FILING DATE: 1998-06-24	
PRIOR APPLICATION NUMBER: 60/090557	
PRIOR FILING DATE: 1998-06-24	
PRIOR APPLICATION NUMBER: 60/090676	
PRIOR FILING DATE: 1998-06-25	
PRIOR APPLICATION NUMBER: 60/090678	
PRIOR FILING DATE: 1998-06-25	
PRIOR APPLICATION NUMBER: 60/090690	
PRIOR FILING DATE: 1998-06-25	
PRIOR APPLICATION NUMBER: 60/090694	
PRIOR FILING DATE: 1998-06-25	
PRIOR APPLICATION NUMBER: 60/090695	
PRIOR FILING DATE: 1998-06-25	
PRIOR APPLICATION NUMBER: 60/090696	
PRIOR FILING DATE: 1998-06-25	
PRIOR APPLICATION NUMBER: 60/090862	
PRIOR FILING DATE: 1998-06-26	
PRIOR APPLICATION NUMBER: 60/090863	
PRIOR FILING DATE: 1998-06-26	
PRIOR APPLICATION NUMBER: 60/091360	
PRIOR FILING DATE: 1998-07-01	
PRIOR APPLICATION NUMBER: 60/091478	
PRIOR FILING DATE: 1998-07-02	
PRIOR APPLICATION NUMBER: 60/091544	
PRIOR FILING DATE: 1998-07-01	
PRIOR APPLICATION NUMBER: 60/091519	
PRIOR FILING DATE: 1998-07-02	
PRIOR APPLICATION NUMBER: 60/091626	
PRIOR FILING DATE: 1998-07-02	
PRIOR APPLICATION NUMBER: 60/091633	
PRIOR FILING DATE: 1998-07-02	
PRIOR APPLICATION NUMBER: 60/091978	
PRIOR FILING DATE: 1998-07-07	
PRIOR APPLICATION NUMBER: 60/091982	
PRIOR FILING DATE: 1998-07-07	
PRIOR APPLICATION NUMBER: 60/092182	
PRIOR FILING DATE: 1998-07-09	

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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches      5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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2y      1 EEVVPXXXXXX 11
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pb     28 EEVVPGGGRSK 38

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RESULT 254

US-09-997-601-359

Sequence 359, Application US/09997601

Publication No. US20030054404A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerlitsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann



audet-909164-5.dx-anysize600.rapb

Thu May 29 17:38:57 2003

```

US-10-184-638-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 256
US-10-184-621-444
; Sequence 444, Application US/10184621
; Publication No. US20030054455A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C211
; CURRENT APPLICATION NUMBER: US/10/184, 621
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-621-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 257
US-10-184-638-444
; Sequence 444, Application US/10184638
; Publication No. US20030054456A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C193
; CURRENT APPLICATION NUMBER: US/10/184, 638
; CURRENT FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-621-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 258
US-10-187-752-444
; Sequence 444, Application US/10187752
; Publication No. US20030054457A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C264
; CURRENT APPLICATION NUMBER: US/10/187, 752
; CURRENT FILING DATE: 2002-07-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-752-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 259
US-10-187-887-444
; Sequence 444, Application US/10187887
; Publication No. US20030054458A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C262
; CURRENT APPLICATION NUMBER: US/10/187, 887
; CURRENT FILING DATE: 2002-07-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-887-444

```

```
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-887-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
    | | | | | | | | | |
Db 28 EEVVPGGGRSK 38

RESULT 260
US-10-194-461-444
; Sequence 444, Application US/10194461
; Publication No. US20030054459A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC302
; CURRENT APPLICATION NUMBER: US/10/194,461
; CURRENT FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
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; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
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; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
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; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
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; PRIOR FILING DATE: 1998-04-28
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; PRIOR FILING DATE: 1998-05-05
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; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
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Thu May 29 17:38:57 2003

; PRIOR FILING DATE: 1998-05-15  
 ; PRIOR APPLICATION NUMBER: 60/086023  
 ; PRIOR FILING DATE: 1998-05-18  
 ; PRIOR APPLICATION NUMBER: 60/086392  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/086486  
 ; PRIOR FILING DATE: 1998-05-22  
 ; PRIOR APPLICATION NUMBER: 60/087098  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087208  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087609  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087759  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087827  
 ; PRIOR FILING DATE: 1998-06-03  
 ; PRIOR APPLICATION NUMBER: 60/088025  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088028  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088029  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088033  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088167  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088202  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088212  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088217  
 ; PRIOR FILING DATE: 1998-06-05  
 ; PRIOR APPLICATION NUMBER: 60/088326  
 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088655  
 ; PRIOR FILING DATE: 1998-06-09  
 ; PRIOR APPLICATION NUMBER: 60/088722  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088738  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088740  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088811  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088824  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088825  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088826  
 ; PRIOR FILING DATE: 1998-06-10  
 ; PRIOR APPLICATION NUMBER: 60/088861  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088863  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/088876  
 ; PRIOR FILING DATE: 1998-06-11  
 ; PRIOR APPLICATION NUMBER: 60/089090  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089105  
 ; PRIOR FILING DATE: 1998-06-12  
 ; PRIOR APPLICATION NUMBER: 60/089512  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089514  
 ; PRIOR FILING DATE: 1998-06-16  
 ; PRIOR APPLICATION NUMBER: 60/089538  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089598  
 ; PRIOR FILING DATE: 1998-06-17  
 ; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
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 Db 28 EEVVPGGGRSK 38

RESULT 261

US-10-195-892-444  
 ; Sequence 444, Application US/10195892  
 ; Publication No. US20030054460A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 ; FILE REFERENCE: P3430R1C320  
 ; CURRENT APPLICATION NUMBER: US/10/195,892  
 ; CURRENT FILING DATE: 2002-07-15  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-195-892-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVVPGGGRSK 38

RESULT 262

US-10-196-751-444  
 ; Sequence 444, Application US/10196751  
 ; Publication No. US20030054461A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 ; FILE REFERENCE: P3430R1C342  
 ; CURRENT APPLICATION NUMBER: US/10/196,751  
 ; CURRENT FILING DATE: 2002-07-16  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250

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; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-751-444
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```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1  EEVVPPXXXXXX 11
        |||||:|:|:|:|:|:|
Db      28  EEVVPPGGGRSK 38
```

## RESULT 263

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US-10-197-694-444
; Sequence 444, Application US/10197694
; Publication No. US20030054462A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C372
```

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; CURRENT APPLICATION NUMBER: US/10/197,694
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```
; CURRENT FILING DATE: 2002-07-17
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```
; PRIOR APPLICATION NUMBER: 10/052586
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```
; PRIOR FILING DATE: 2002-01-15
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```
; PRIOR APPLICATION NUMBER: 60/059263
```

```
; PRIOR FILING DATE: 1997-09-18
```

```
; PRIOR APPLICATION NUMBER: 60/059266
```

```
; PRIOR FILING DATE: 1997-09-18
```

```
; PRIOR APPLICATION NUMBER: 60/062250
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```
; PRIOR FILING DATE: 1997-10-17
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```
; PRIOR APPLICATION NUMBER: 60/063120
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; PRIOR FILING DATE: 1997-10-24
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```
; PRIOR APPLICATION NUMBER: 60/063121
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```
; PRIOR FILING DATE: 1997-10-24
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; PRIOR APPLICATION NUMBER: 60/063486
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```
; PRIOR FILING DATE: 1997-10-21
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```
; PRIOR APPLICATION NUMBER: 60/063540
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; PRIOR FILING DATE: 1997-10-28
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```
; PRIOR APPLICATION NUMBER: 60/063541
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; PRIOR FILING DATE: 1997-10-28
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; PRIOR APPLICATION NUMBER: 60/063544
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; PRIOR FILING DATE: 1997-10-28
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; Prior Application data removed - See File Wrapper or PALM.
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; NUMBER OF SEQ ID NOS: 612
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; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-694-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1  EEVVPPXXXXXX 11
        |||||:|:|:|:|:|:|
Db      28  EEVVPPGGGRSK 38
```

## RESULT 264

```
US-10-197-697-444
```

```
; Sequence 444, Application US/10197697
```

```
; Publication No. US20030054463A1
```

```
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
```

```
; APPLICANT: Chen, Jian
```

```
; APPLICANT: Desnoyers, Luc
```

```
; APPLICANT: Goddard, Audrey
```

```
; APPLICANT: Godowski, Paul J.
```

```
; APPLICANT: Gurney, Austin L.
```

```
; APPLICANT: Pan, James
```

```
; APPLICANT: Smith, Victoria
```

```
; APPLICANT: Watanabe, Colin K.
```

```
; APPLICANT: Wood, William I.
```

```
; APPLICANT: Zhang, Zemin
```

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; FILE REFERENCE: P3430R1C367
```

```
; CURRENT APPLICATION NUMBER: US/10/197,697
```

```
; CURRENT FILING DATE: 2002-07-17
```

```
; PRIOR APPLICATION NUMBER: 10/052586
```

```
; PRIOR FILING DATE: 2002-01-15
```

```
; PRIOR APPLICATION NUMBER: 60/059263
```

```
; PRIOR FILING DATE: 1997-09-18
```

```
; PRIOR APPLICATION NUMBER: 60/059266
```

```
; PRIOR FILING DATE: 1997-09-18
```

```
; PRIOR APPLICATION NUMBER: 60/062250
```

```
; PRIOR FILING DATE: 1997-10-17
```

```
; PRIOR APPLICATION NUMBER: 60/063120
```

```
; PRIOR FILING DATE: 1997-10-24
```

```
; PRIOR APPLICATION NUMBER: 60/063121
```

```
; PRIOR FILING DATE: 1997-10-24
```

```
; PRIOR APPLICATION NUMBER: 60/063486
```

```
; PRIOR FILING DATE: 1997-10-21
```

```
; PRIOR APPLICATION NUMBER: 60/063540
```

```
; PRIOR FILING DATE: 1997-10-28
```

```
; PRIOR APPLICATION NUMBER: 60/063541
```

```
; PRIOR FILING DATE: 1997-10-28
```

```
; PRIOR APPLICATION NUMBER: 60/063544
```

```
; PRIOR FILING DATE: 1997-10-28
```

```
; Prior Application data removed - See File Wrapper or PALM.
```

```
; NUMBER OF SEQ ID NOS: 612
```

```
; SEQ ID NO 444
```

```
; LENGTH: 135
```

```
; TYPE: PRT
```

```
; ORGANISM: Homo Sapien
```

```
US-10-197-697-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1  EEVVPPXXXXXX 11
        |||||:|:~|:~|:~|:~|
Db      28  EEVVPPGGGRSK 38
```

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Thu May 29 17:38:57 2003

```

;
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C411
; CURRENT APPLICATION NUMBER: US/10/199,303
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-199-303-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38

```

```

RESULT 267
US-10-199-318-444
; Sequence 444, Application US/10199318
; Publication No. US20030054466A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C406
; CURRENT APPLICATION NUMBER: US/10/199,318
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120

```

```

;
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C357
; CURRENT APPLICATION NUMBER: US/10/197,707
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-10-197-707-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38

```

```

RESULT 266
US-10-199-303-444
; Sequence 444, Application US/10199303
; Publication No. US20030054465A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.

```

```
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-318-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

```
RESULT 268
US-10-199-458-444
; Sequence 444, Application US/10199458
; Publication No. US20030054467A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C386
; CURRENT APPLICATION NUMBER: US/10/199,458
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-318-444
```

```
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-458-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

```
RESULT 269
US-10-199-462-444
; Sequence 444, Application US/10199462
; Publication No. US20030054468A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C421
; CURRENT APPLICATION NUMBER: US/10/199,462
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-462-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1 EEVVPXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

```
RESULT 270
US-10-201-324-444
```



Thu May 29 17:38:57 2003

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```
; Sequence 444, Application US/10201324
; Publication No. US20030054469A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C441
; CURRENT APPLICATION NUMBER: US/10/201,324
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-324-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11
Db 28 EEVPPGGGRSK 38
```

```
RESULT 271
US-10-201-328-444
; Sequence 444, Application US/10201328
; Publication No. US20030054470A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C429
; CURRENT APPLICATION NUMBER: US/10/201,328
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-328-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11
Db 28 EEVPPGGGRSK 38
```

```
RESULT 272
US-10-201-527-444
; Sequence 444, Application US/10201527
; Publication No. US20030054471A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C432
; CURRENT APPLICATION NUMBER: US/10/201,527
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
```

```
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-527-444
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38
```

```
RESULT 273
US-10-201-528-444
; Sequence 444, Application US/10201528
; Publication No. US20030054472A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC446
; CURRENT APPLICATION NUMBER: US/10/201,528
; CURRENT FILING DATE: 2002-07-22
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
```

```
US-10-201-528-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38
```

```
RESULT 274
US-10-201-529-444
; Sequence 444, Application US/10201529
; Publication No. US20030054473A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC439
; CURRENT APPLICATION NUMBER: US/10/201,529
; CURRENT FILING DATE: 2002-07-22
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-529-444
```

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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVVPGGGRSK 38
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RESULT 275
US-10-201-530-444
; Sequence 444, Application US/10201530
; Publication No. US20030054474A1
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audet-909164-5.dx-any-size600.rapb

Thu May 29 17:38:57 2003

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; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C435
; CURRENT APPLICATION NUMBER: US/10/201,530
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-530-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

; RESULT 276
US-10-202-408-444
; Sequence 444, Application US/10202408
; Publication No. US20030054475A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C435
; CURRENT APPLICATION NUMBER: US/10/201,530
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-530-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

; RESULT 276
US-10-202-408-444
; Sequence 444, Application US/10202408
; Publication No. US20030054475A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C435
; CURRENT APPLICATION NUMBER: US/10/201,530
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-530-444

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; CURRENT APPLICATION NUMBER: US/10/202,408
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-408-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

; RESULT 277
US-10-202-409-444
; Sequence 444, Application US/10202409
; Publication No. US20030054476A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C428
; CURRENT APPLICATION NUMBER: US/10/202,409
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-202-409-444

```



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```

; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C469
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/10/205,502
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-507-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
|||||:

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RESULT 282
US-10-205-511-444
; Sequence 444, Application US/10205511
; Publication No. US2003005448A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C479
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/10/205,511
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540

```

```

; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C469
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: US/10/205,502
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-502-444

```

```

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38
|||||:

```

```

RESULT 281
US-10-205-507-444
; Sequence 444, Application US/10205507
; Publication No. US20030054480A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C482
; CURRENT FILING DATE: 2002-07-24

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;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-205-511-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 283  
US-10-205-902-444  
;; Sequence 444, Application US/10205902  
;; Publication No. US20030054482A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C489  
;; CURRENT APPLICATION NUMBER: US/10/205,902  
;; CURRENT FILING DATE: 2002-07-25  
;; PRIOR APPLICATION NUMBER: 10/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059266  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-205-902-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 285  
US-09-989-729A-359  
;; Sequence 359, Application US/09989729A  
;; Publication No. US20030059831A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 284  
US-10-205-907-444  
;; Sequence 444, Application US/10205907  
;; Publication No. US20030054483A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3430R1C523  
;; CURRENT APPLICATION NUMBER: US/10/205,907  
;; CURRENT FILING DATE: 2002-07-26  
;; PRIOR APPLICATION NUMBER: 10/052586  
;; PRIOR FILING DATE: 2002-01-15  
;; PRIOR APPLICATION NUMBER: 60/059263  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/059266  
;; PRIOR FILING DATE: 1997-09-18  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063120  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063121  
;; PRIOR FILING DATE: 1997-10-24  
;; PRIOR APPLICATION NUMBER: 60/063486  
;; PRIOR FILING DATE: 1997-10-21  
;; PRIOR APPLICATION NUMBER: 60/063540  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063541  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/063544  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 612  
;; SEQ ID NO 444  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-205-907-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 285  
US-09-989-729A-359  
;; Sequence 359, Application US/09989729A  
;; Publication No. US20030059831A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David

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Thu May 29 17:38:57 2003

```

; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C59
; CURRENT APPLICATION NUMBER: US/09/989,729A
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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RESULT 286

US-09-990-440-359

; Sequence 359, Application US/09990440

; Publication No. US20030060407A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

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; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1G21
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Thu May 29 17:38:57 2003

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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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RESULT 287  
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; Publication No. US20030059780A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.

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APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
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;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
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;; PRIOR APPLICATION NUMBER: 60/089908  
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;; PRIOR APPLICATION NUMBER: 60/089947  
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;; PRIOR FILING DATE: 1998-06-19  
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;; PRIOR APPLICATION NUMBER: 60/090349  
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;; PRIOR APPLICATION NUMBER: 60/090355  
;; PRIOR FILING DATE: 1998-06-23  
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;; PRIOR APPLICATION NUMBER: 60/090435  
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;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
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;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
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;; PRIOR APPLICATION NUMBER: 60/091544  
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;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
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;; PRIOR APPLICATION NUMBER: 60/091633  
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;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

## Query Match

100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEWXPXXXXX 11  
|||||:|:|:|

Db 28 EEVPGGGRSK 38

## RESULT 289

US-09-997-440-359  
; Sequence 359, Application US/09997440  
; Publication No. US20030059833A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C31  
; CURRENT APPLICATION NUMBER: US/09/997,440  
; PRIOR FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16

[illegible]

; PRIOR APPLICATION NUMBER: 60/090863  
 ; PRIOR FILING DATE: 1998-06-26  
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 ; PRIOR APPLICATION NUMBER: 60/091478  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091544  
 ; PRIOR FILING DATE: 1998-07-01  
 ; PRIOR APPLICATION NUMBER: 60/091519  
 ; PRIOR FILING DATE: 1998-07-02  
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 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091633  
 ; PRIOR FILING DATE: 1998-07-02  
 ; PRIOR APPLICATION NUMBER: 60/091978  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/091982  
 ; PRIOR FILING DATE: 1998-07-07  
 ; PRIOR APPLICATION NUMBER: 60/092182  
 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPPXXXXX 11  
 Db 28 EEVVPGGGRSK 38

## RESULT 290

US-09-997-628-359  
 ; Sequence 359, Application US/09997628  
 ; Publication No. US20030059782A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kijavini, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tamas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE REFERENCE: P2730PIC30  
 ; CURRENT APPLICATION NUMBER: US/09/997,628  
 ; CURRENT FILING DATE: 2001-11-15  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
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 ; PRIOR APPLICATION NUMBER: 60/089532  
 ; PRIOR FILING DATE: 1998-06-17

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; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/091360
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091478
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544

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; PRIOR FILING DATE: 1998-07-01
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
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; PRIOR APPLICATION NUMBER: 60/09178
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Query Match 100.0%; Score 31.; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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QY 1 EEVVPXXXXX 11
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Db 28 EEVPPGGGRSK 38

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RESULT 291

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US-09-997-683-359
; Sequence 359, Application US/09997683
; Publication No. US20030059783A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC32
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28

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;	PRIOR FILING DATE:	1998-06-17
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;	PRIOR APPLICATION NUMBER:	60/089801
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;	PRIOR APPLICATION NUMBER:	60/090435
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;	PRIOR APPLICATION NUMBER:	60/090444
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090445
;	PRIOR FILING DATE:	1998-06-24
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;	PRIOR APPLICATION NUMBER:	60/090557
;	PRIOR FILING DATE:	1998-06-24
;	PRIOR APPLICATION NUMBER:	60/090676
;	PRIOR FILING DATE:	1998-06-25
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;	PRIOR FILING DATE:	1998-06-25
;	PRIOR APPLICATION NUMBER:	60/090694
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;	PRIOR APPLICATION NUMBER:	60/090696
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;	PRIOR APPLICATION NUMBER:	60/090863
;	PRIOR FILING DATE:	1998-06-26
;	PRIOR APPLICATION NUMBER:	60/091360
;	PRIOR FILING DATE:	1998-07-01
;	PRIOR APPLICATION NUMBER:	60/091478
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091544
;	PRIOR FILING DATE:	1998-07-01
;	PRIOR APPLICATION NUMBER:	60/091519
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091626
;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091633
;	PRIOR FILING DATE:	1998-07-02



;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

## RESULT 292

US-10-194-456-444  
; Sequence 444, Application US/10194456  
; Publication No. US20030059879A1

;; GENERAL INFORMATION:  
;; APPLICANT: Baker, Kevin P.

;; APPLICANT: Chen, Jian  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Pan, James  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Wood, William I.

;; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

;; FILE REFERENCE: P3430RIC304

;; CURRENT FILING DATE: 2002-07-12

;; PRIOR APPLICATION NUMBER: US/10/194.456

;; PRIOR FILING DATE: 2002-07-12

;; PRIOR APPLICATION NUMBER: 10/052586

;; PRIOR FILING DATE: 2002-01-15

;; PRIOR APPLICATION NUMBER: 60/059263

;; PRIOR FILING DATE: 1997-09-18

;; PRIOR APPLICATION NUMBER: 60/059266

;; PRIOR FILING DATE: 1997-09-18

;; PRIOR APPLICATION NUMBER: 60/062250

;; PRIOR FILING DATE: 1997-10-17

;; PRIOR APPLICATION NUMBER: 60/063120

;; PRIOR FILING DATE: 1997-10-24

;; PRIOR APPLICATION NUMBER: 60/063121

;; PRIOR FILING DATE: 1997-10-24

;; PRIOR APPLICATION NUMBER: 60/063486

;; PRIOR FILING DATE: 1997-10-21

;; PRIOR APPLICATION NUMBER: 60/063540

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/063541

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/063544

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR Application data removed - See File Wrapper or PALM.

;; NUMBER OF SEQ ID NOS: 612

;; SEQ ID NO 444

;; LENGTH: 135

;; TYPE: PRT

;; ORGANISM: Homo Sapien

US-10-194-456-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

```

; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-308-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db       28 EEVVGGRSK 38
|||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~

RESULT 296
US-10-200-617-444
; Sequence 444, Application US/10200617
; Publication No. US20030059884A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC380
; CURRENT APPLICATION NUMBER: US/10/200, 617
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
```

Thu May 29 17:38:57 2003

audet-909164-5.dx-anysize600.rapb

LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-200-617-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 28 EEVPGGGRSK 38

RESULT 297

US-10-205-893-444  
Sequence 444, Application US/10205893  
Publication No. US20030059885A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430RIC505  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: US/10/205,893  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-893-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 28 EEVPGGGRSK 38

RESULT 298

US-10-205-893-444  
Sequence 444, Application US/10205893  
Publication No. US20030059885A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430RIC505  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: US/10/205,893  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-893-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 28 EEVPGGGRSK 38

US-10-205-897-444  
Sequence 444, Application US/10205897  
Publication No. US20030059886A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430RIC502  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: US/10/205,897  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-897-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 28 EEVPGGGRSK 38

RESULT 299

US-09-993-469-359  
Sequence 359, Application US/09993469  
Publication No. US20030068623A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.

FILE REFERENCE: P3430RIC502  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: US/10/205,897  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-897-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 28 EEVPGGGRSK 38

RESULT 299

US-09-993-469-359  
Sequence 359, Application US/09993469  
Publication No. US20030068623A1  
GENERAL INFORMATION:  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Botstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730P1C5  
CURRENT APPLICATION NUMBER: US/09/993,469  
PRIOR FILING DATE: 2001-11-14  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
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PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088026  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088028  
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PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088202  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088212  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
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PRIOR FILING DATE: 1998-06-10  
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PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
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PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
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PRIOR FILING DATE: 1998-06-17  
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PRIOR FILING DATE: 1998-06-17  
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PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
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PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
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PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24

Thu May 29 17:38:57 2003

**audet-909164-5.dx-anysize600.rapb**

PRIOR APPLICATION NUMBER:	60/090540
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090542
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090557
PRIOR FILING DATE:	1998-06-24
PRIOR APPLICATION NUMBER:	60/090676
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090678
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090690
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090694
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090695
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090696
PRIOR FILING DATE:	1998-06-25
PRIOR APPLICATION NUMBER:	60/090862
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/090863
PRIOR FILING DATE:	1998-06-26
PRIOR APPLICATION NUMBER:	60/091360
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091478
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091544
PRIOR FILING DATE:	1998-07-01
PRIOR APPLICATION NUMBER:	60/091519
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091626
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091633
PRIOR FILING DATE:	1998-07-02
PRIOR APPLICATION NUMBER:	60/091978
PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/091982
PRIOR FILING DATE:	1998-07-07
PRIOR APPLICATION NUMBER:	60/092182
PRIOR FILING DATE:	1998-07-09

Query Match	100.0%;	Score 31;	DB 9;	Length 135;
Best Local Similarity	45.5%;	Pred. No.	2.5e+02;	
Matches	5;	Conservative	6;	Mismatches 0; Indels 0; Gaps 0;

QY	1	EEVVPXXXXX 11      .....
Db	28	EEVVPGGGRSK 38

RESULT 300

US-09-993-748-359	
Sequence 359, Application US/09993748	
Publication No. US2003069403A1	
GENERAL INFORMATION:	
APPLICANT:	Ashkenazi, Avi J.
APPLICANT:	Baker, Kevin P.
APPLICANT:	Botstein, David
APPLICANT:	Desnoyers, Luc
APPLICANT:	Eaton, Dan L.
APPLICANT:	Ferrara, Napoleone
APPLICANT:	Fong, Sherman
APPLICANT:	Gerber, Hanspeter
APPLICANT:	Gerritsen, Mary E.
APPLICANT:	Godard, Audrey
APPLICANT:	Godowski, Paul J.
APPLICANT:	Grimaldi, J. Christopher
APPLICANT:	Gurney, Austin L.
APPLICANT:	Kljavin, Ivar J.
APPLICANT:	Napier, Mary A.
APPLICANT:	Pan, James
APPLICANT:	Paoni, Nicholas F.
APPLICANT:	Roy, Margaret Ann

;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
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;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
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;; PRIOR FILING DATE: 1998-06-16  
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;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089599  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089600  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089801  
;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089907  
;; PRIOR FILING DATE: 1998-06-18  
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;; PRIOR FILING DATE: 1998-06-18  
;; PRIOR APPLICATION NUMBER: 60/089947  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089948  
;; PRIOR FILING DATE: 1998-06-19  
;; PRIOR APPLICATION NUMBER: 60/089952  
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;; PRIOR APPLICATION NUMBER: 60/090252  
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;; PRIOR APPLICATION NUMBER: 60/090254  
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;; PRIOR APPLICATION NUMBER: 60/090349  
;; PRIOR FILING DATE: 1998-06-23  
;; PRIOR APPLICATION NUMBER: 60/090355  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090535  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090540  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676

;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090678  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090690  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090694  
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;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090696  
;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVPEXXXXX 11  
Db 28 EEVPGGGRSK 38  
|||||:

RESULT 301  
US-09-997-542-359  
; Sequence 359, Application US/09997542  
; Publication No. US20030068647A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gottlieb, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

audet-909164-5.dx-anysize600.rapb

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```

; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C26
; CURRENT APPLICATION NUMBER: US/09/997,542
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR FILING DATE: 1998-06-02
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; PRIOR FILING DATE: 1998-06-03
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-11
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; PRIOR FILING DATE: 1998-06-17
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; PRIOR FILING DATE: 1998-06-17
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; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-06-24
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; PRIOR APPLICATION NUMBER: 60/090690
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090694
; PRIOR FILING DATE: 1998-06-25

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; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26
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; PRIOR APPLICATION NUMBER: 60/091478
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; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

```

## RESULT 302

```

US-10-174-571-444
; Sequence 444, Application US/10174571
; Publication No. US20030068679A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C29
; CURRENT APPLICATION NUMBER: US/10/174,571
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

## US-10-174-571-444

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

```

## RESULT 303

```

US-10-176-746-444
; Sequence 444, Application US/10176746
; Publication No. US20030068680A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C81
; CURRENT APPLICATION NUMBER: US/10/176,746
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

## US-10-176-746-444

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

```

## RESULT 304

```

US-10-176-923-444
; Sequence 444, Application US/10176923
; Publication No. US20030068681A1
; GENERAL INFORMATION:

```

```

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

```

```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C17
; CURRENT APPLICATION NUMBER: US/10/176,923
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien

```

## US-10-176-923-444

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 EEVVPXXXXXX 11

```



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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

Db 28 EEVPGGGRSK 38  
 |||||:||||:  
 QY 1 EEVVPXXXXX 11  
 |||||:||||:

RESULT 307  
 US-10-184-639-444  
 ; Sequence 444, Application US/10184639  
 ; Publication No. US20030068685A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Goddard, Paul J.  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C196  
 ; CURRENT APPLICATION NUMBER: US/10/184,639  
 ; CURRENT FILING DATE: 2002-06-27  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-184-639-444

US-10-183-011-444  
 ; Sequence 444, Application US/10183011  
 ; Publication No. US20030068682A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C169  
 ; CURRENT APPLICATION NUMBER: US/10/183,011  
 ; CURRENT FILING DATE: 2002-06-26  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-183-011-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

QY 1 EEVVPXXXXX 11  
 |||||:||||:  
 Db 28 EEVPGGGRSK 38

RESULT 308  
 US-10-187-742-444  
 ; Sequence 444, Application US/10187742  
 ; Publication No. US20030068686A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C239  
 ; CURRENT APPLICATION NUMBER: US/10/187,742  
 ; CURRENT FILING DATE: 2002-07-02  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-187-742-444

US-10-184-633-444  
 ; Sequence 444, Application US/10184633  
 ; Publication No. US20030068683A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C190  
 ; CURRENT APPLICATION NUMBER: US/10/184,633  
 ; CURRENT FILING DATE: 2002-06-27  
 ; Prior Application removed - See File Wrapper or Palm  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 US-10-184-633-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

EQ ID NO 444  
LENGTH: 135

APPLICANT: Zhang, Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND  
 TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 FILE REFERENCE: P3430R1C286  
 CURRENT APPLICATION NUMBER: US/10/192,006  
 CURRENT FILING DATE: 2002-07-09  
 Prior Application:

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Thu May 29 17:38:57 2003

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; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-192-006-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
        |||||:||||:
DB      28 EEVFGGGRSK 38

RESULT 313
US-10-192-008-444
; Sequence 444, Application US/10192008
; Publication No. US20030068693A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C285
; CURRENT APPLICATION NUMBER: US/10/192.008
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582

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;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/085700  
;; PRIOR FILING DATE: 1998-05-15  
;; PRIOR APPLICATION NUMBER: 60/086023  
;; PRIOR FILING DATE: 1998-05-18  
;; PRIOR APPLICATION NUMBER: 60/086392  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/086486  
;; PRIOR FILING DATE: 1998-05-22  
;; PRIOR APPLICATION NUMBER: 60/087098  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087208  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088740  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088811  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088825  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088863  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089090  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 314

US-10-192-009-444  
; Sequence 444, Application US/10192009  
; Publication No. US20030068694A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC290  
; CURRENT APPLICATION NUMBER: US/10/192,009  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-192-009-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 315

US-10-192-012-444  
; Sequence 444, Application US/10192012  
; Publication No. US20030068695A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC288  
; CURRENT APPLICATION NUMBER: US/10/192,012  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT

; ORGANISM: Homo Sapien  
US-10-192-012-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 316

US-10-192-014-444  
; Sequence 444, Application US/10192014  
; Publication No. US20030068696A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C289  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-192-014-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 317

US-10-192-016-444  
; Sequence 444, Application US/10192016  
; Publication No. US20030068697A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C283  
; CURRENT FILING DATE: 2002-07-09  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-192-016-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 318

US-10-194-362-444  
; Sequence 444, Application US/10194362  
; Publication No. US20030068698A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C305  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-362-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 319

US-10-194-364-444  
; Sequence 444, Application US/10194364  
; Publication No. US20030068699A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C309  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612

; CURRENT FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-364-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 320  
US-10-194-395-444  
; Sequence 444, Application US/10194395  
; Publication No. US20030068700A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C294  
; CURRENT APPLICATION NUMBER: US/10/194.395  
; CURRENT FILING DATE: 2002-07-11  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-364-444

Query Match 100.0%; Score 31; DB 9; Length 135;

; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-395-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 321  
US-10-194-424-444  
; Sequence 444, Application US/10194424  
; Publication No. US20030068701A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C314  
; CURRENT APPLICATION NUMBER: US/10/194.424  
; CURRENT FILING DATE: 2002-07-12  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-424-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 322

US-10-194-458-444  
; Sequence 444, Application US/10194458  
; Publication No. US20030068702A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC307  
; CURRENT APPLICATION NUMBER: US/10/194,458  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-458-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 323

US-10-194-459-444  
; Sequence 444, Application US/10194459  
; Publication No. US20030068703A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC293  
; CURRENT APPLICATION NUMBER: US/10/194,459  
; CURRENT FILING DATE: 2002-07-11  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-459-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 325

US-10-195-886-444  
; Sequence 444, Application US/10195886  
; Publication No. US20030068705A1

; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-459-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

## RESULT 324

US-10-194-488-444  
; Sequence 444, Application US/10194488  
; Publication No. US20030068704A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC299  
; CURRENT APPLICATION NUMBER: US/10/194,488  
; CURRENT FILING DATE: 2002-07-11  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-488-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

```

; CURRENT APPLICATION NUMBER: US/10/195,891
; CURRENT FILING DATE: 2002-07-15
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-891-444

Query Match 100.0%; Score 31; DB 9; Length 11
Best Local Similarity 45.5%; pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGRSK 38
|||||:

RESULT 327
US-10-196-746-444
; Sequence 444, Application US/10196746
; Publication No. US2003006870/A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES
; FILE REFERENCE: P3430R1C349
; CURRENT APPLICATION NUMBER: US/10/196,746
; CURRENT FILING DATE: 2002-07-16
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486

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Prior Filing Date:	1997-10-21
Prior Application Number:	60/063540
Prior Filing Date:	1997-10-28
Prior Application Number:	60/063541
Prior Filing Date:	1997-10-28
Prior Application Number:	60/063544
Prior Filing Date:	1997-10-28
Prior Application Data Removed - See File Wrapper or PALM.	
Number Of Seq ID NOS:	612
Seq ID NO 444	
Length:	135
Type:	PRT
Organism:	Homo Sapien
US-10-196-745-444	
Query Match	100.0%; Score 31; DB 9; Length 135;
Best Local Similarity	45.5%; Pred. No. 2.5e+02;
Matches	5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY	1 EEVVPXXXXXX 11      :~::~::
Ddb	28 EGVPGGGRSK 38
RESULT 328	
US-10-196-752-444	
; Sequence 444, Application US/10196752	
; Publication No. US20030068708A1	
; GENERAL INFORMATION:	
; APPLICANT: Baker,Kevin P.	
; APPLICANT: Chen,Jian	
; APPLICANT: Desnoyers,Luc	
; APPLICANT: Goddard,Audrey J.	
; APPLICANT: Godowski,Paul J.	
; APPLICANT: Gurney,Austin L.	
; APPLICANT: Pan,James	
; APPLICANT: Smith,Victoria	
; APPLICANT: Watanabe,Colin K.	
; APPLICANT: Wood,William I.	
; APPLICANT: Zhang,Zemin	
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME	
; FILE REFERENCE: P343ORIC354	
; CURRENT APPLICATION NUMBER: US/10/196.752	
; CURRENT FILING DATE: 2002-07-16	
; Prior Application removed - See File Wrapper or Palm	
; NUMBER OF SEQ ID NOS: 612	
; SEQ ID NO 444	
; LENGTH: 135	
; TYPE: PRT	
; ORGANISM: Homo Sapien	
US-10-196-752-444	
Query Match	100.0%; Score 31; DB 9; Length 135;
Best Local Similarity	45.5%; Pred. No. 2.5e+02;
Matches	5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY	1 EEVVPXXXXXX 11      :~::~::
Ddb	28 EGVPGGGRSK 38
RESULT 329	
US-10-196-753-444	
; Sequence 444, Application US/10196753	
; Publication No. US20030068709A1	
; GENERAL INFORMATION:	
; APPLICANT: Baker,Kevin P.	
; APPLICANT: Chen,Jian	
; APPLICANT: Desnoyers,Luc	
; APPLICANT: Goddard,Audrey	
; APPLICANT: Godowski,Paul J.	
; APPLICANT: Gurney,Austin L.	
; APPLICANT: Pan,James	
; APPLICANT: Smith,Victoria	
; APPLICANT: Watanabe,Colin K.	
; APPLICANT: Wood,William I.	
; APPLICANT: Zhang,Zemin	
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME	
; FILE REFERENCE: P343ORIC339	
; CURRENT APPLICATION NUMBER: US/10/196.754	
; CURRENT FILING DATE: 2002-07-16	
; Prior Application removed - See File Wrapper or Palm	
; NUMBER OF SEQ ID NOS: 612	
; SEQ ID NO 444	
; LENGTH: 135	
; TYPE: PRT	
US-10-196-753-444	
Query Match	100.0%; Score 31; DB 9; Length 135;
Best Local Similarity	45.5%; Pred. No. 2.5e+02;
Matches	5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY	1 EEVVPXXXXXX 11      :~::~::
Ddb	28 EGVPGGGRSK 38
RESULT 330	
US-10-196-754-444	
; Sequence 444, Application US/10196754	
; Publication No. US20030067478A1	
; GENERAL INFORMATION:	
; APPLICANT: Baker,Kevin P.	
; APPLICANT: Chen,Jian	
; APPLICANT: Desnoyers,Luc	
; APPLICANT: Goddard,Audrey	
; APPLICANT: Godowski,Paul J.	
; APPLICANT: Gurney,Austin L.	
; APPLICANT: Pan,James	
; APPLICANT: Smith,Victoria	
; APPLICANT: Watanabe,Colin K.	
; APPLICANT: Wood,William I.	
; APPLICANT: Zhang,Zemin	
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME	
; FILE REFERENCE: P343ORIC339	
; CURRENT APPLICATION NUMBER: US/10/196.754	
; CURRENT FILING DATE: 2002-07-16	
; Prior Application removed - See File Wrapper or Palm	
; NUMBER OF SEQ ID NOS: 612	
; SEQ ID NO 444	
; LENGTH: 135	
; TYPE: PRT	
US-10-196-754-444	
Query Match	100.0%; Score 31; DB 9; Length 135;
Best Local Similarity	45.5%; Pred. No. 2.5e+02;
Matches	5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY	1 EEVVPXXXXXX 11      :~::~::
Ddb	28 EGVPGGGRSK 38
US-10-196-753-444	
APPLICANT: Pan, James	
APPLICANT: Smith, Victoria	
APPLICANT: Watanabe, Colin K.	
APPLICANT: Wood, William I.	
APPLICANT: Zhang, Zemin	
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME	
FILE REFERENCE: P343ORIC337	
CURRENT APPLICATION NUMBER: US/10/196,753	
CURRENT FILING DATE: 2002-07-16	
PRIOR APPLICATION NUMBER: 60/052586	
PRIOR FILING DATE: 2002-01-15	
PRIOR APPLICATION NUMBER: 60/059263	
PRIOR FILING DATE: 1997-09-18	
PRIOR APPLICATION NUMBER: 60/059266	
PRIOR FILING DATE: 1997-09-18	
PRIOR APPLICATION NUMBER: 60/062250	
PRIOR FILING DATE: 1997-10-17	
PRIOR APPLICATION NUMBER: 60/063120	
PRIOR FILING DATE: 1997-10-24	
PRIOR APPLICATION NUMBER: 60/063121	
PRIOR FILING DATE: 1997-10-24	
PRIOR APPLICATION NUMBER: 60/063486	
PRIOR FILING DATE: 1997-10-21	
PRIOR APPLICATION NUMBER: 60/063540	
PRIOR FILING DATE: 1997-10-28	
PRIOR APPLICATION NUMBER: 60/063541	
PRIOR FILING DATE: 1997-10-28	
PRIOR APPLICATION NUMBER: 60/063544	
PRIOR FILING DATE: 1997-10-28	
Prior Application data removed - See File Wrapper or PALM.	
NUMBER OF SEQ ID NOS: 612	
SEQ ID NO 444	
LENGTH: 135	
TYPE: PRT	
ORGANISM: Homo Sapien	
US-10-196-753-444	
Query Match	100.0%; Score 31; DB 9; Length 135;
Best Local Similarity	45.5%; pred. No. 2.5e+02;
Matches	5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY	1 EEVVPXXXXXX 11      :~::~::
Ddb	28 EGVPGGGRSK 38
RESULT 330	
US-10-196-754-444	
; Sequence 444, Application US/	

; ORGANISM: Homo Sapien  
US-10-196-754-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 331

US-10-196-761-444

; Sequence 444, Application US/10196761

; Publication No. US20030068710A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C352

; CURRENT APPLICATION NUMBER: US/10/196,761

; CURRENT FILING DATE: 2002-07-16

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-196-761-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 332

US-10-197-692-444

; Sequence 444, Application US/10197692

; Publication No. US20030068711A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C359

; CURRENT APPLICATION NUMBER: US/10/197,692

; CURRENT FILING DATE: 2002-07-17

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-197-692-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-197-692-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 333

US-10-197-693-444

; Sequence 444, Application US/10197693

; Publication No. US20030068712A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C371

; CURRENT APPLICATION NUMBER: US/10/197,693

; CURRENT FILING DATE: 2002-07-17

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-197-693-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11

| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

```

; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC356
; CURRENT APPLICATION NUMBER: US/10/197,698
; CURRENT FILING DATE: 2002-07-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-698-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 336
US-10-197-703-444
; Sequence 444, Application US/10197703
; Publication No. US20030068715A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC358
; CURRENT APPLICATION NUMBER: US/10/197,703
; CURRENT FILING DATE: 2002-07-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-703-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 337
US-10-197-711-444
; Sequence 444, Application US/10197711
; Publication No. US20030068716A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.

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; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C363
; CURRENT APPLICATION NUMBER: US/10/197,711
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-197-711-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 338
US-10-198-757-444
; Sequence 444, Application US/10198757
; Publication No. US20030068717A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C414
; CURRENT APPLICATION NUMBER: US/10/198,757
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
```

```
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C363
; CURRENT APPLICATION NUMBER: US/10/197,711
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-757-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 339
US-10-198-761-444
; Sequence 444, Application US/10198761
; Publication No. US20030068718A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C391
; CURRENT APPLICATION NUMBER: US/10/198,761
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
```

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-198-761-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 340

US-10-198-762-444  
; Sequence 444, Application US/10198762  
; Publication No. US20030068719A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C409

; CURRENT APPLICATION NUMBER: US/10/198.762  
; CURRENT FILING DATE: 2002-07-19

; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-198-762-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 341

US-10-198-763-444  
; Sequence 444, Application US/10198763  
; Publication No. US20030068720A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C392

; CURRENT APPLICATION NUMBER: US/10/198.763  
; CURRENT FILING DATE: 2002-07-18

; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-198-763-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 342

US-10-198-767-444  
; Sequence 444, Application US/10198767  
; Publication No. US20030068721A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.

```
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C412
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/10/198,767
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-198-767-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38
```

```
RESULT 343
US-10-199-301-444
; Sequence 444, Application US/10199301
; Publication No. US20030068722A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C382
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US/10/199,301
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
```

```
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-301-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11
    |||||:
Db 28 EEVVPGGGRSK 38
```

```
RESULT 344
US-10-199-307-444
; Sequence 444, Application US/10199307
; Publication No. US20030068723A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C388
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US/10/199,307
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
```

LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-307-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 28 EEVPGGGRSK 38

## RESULT 345

US-10-199-312-444  
Sequence 444, Application US/10199312  
Publication No. US20030068724A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430R1C403  
CURRENT APPLICATION NUMBER: US/10/199,312  
CURRENT FILING DATE: 2002-07-19

PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-312-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
DB 28 EEVPGGGRSK 38

## RESULT 346

US-10-199-315-444  
Sequence 444, Application US/10199315  
Publication No. US20030068725A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430R1C385  
CURRENT APPLICATION NUMBER: US/10/199,315  
CURRENT FILING DATE: 2002-07-18  
Prior Application removed - See File Wrapper or PALM  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-199-315-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:~:~:~:  
DB 28 EEVPGGGRSK 38

## RESULT 347

US-10-199-316-444  
Sequence 444, Application US/10199316  
Publication No. US20030068726A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430R1C419  
CURRENT APPLICATION NUMBER: US/10/199,316  
CURRENT FILING DATE: 2002-07-19  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540

```

; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-460-444

```



```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db      |||||:||||:
      28 EEVPGGGRSK 38

RESULT 351
US-10-199-461-444
; Sequence 444, Application US/10199461
; Publication No. US20030068730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C376
; CURRENT APPLICATION NUMBER: US/10/199,667
; CURRENT FILING DATE: 2002-07-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-667-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db      |||||:||||:
      28 EEVPGGGRSK 38

RESULT 353
US-10-199-673-444
; Sequence 444, Application US/10199673
; Publication No. US20030068732A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C390
; CURRENT APPLICATION NUMBER: US/10/199, 673
; CURRENT FILING DATE: 2002-07-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-461-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db      |||||:||||:
      28 EEVPGGGRSK 38

RESULT 352
US-10-199-667-444
; Sequence 444, Application US/10199667
; Publication No. US20030068731A1
; GENERAL INFORMATION:

```

```

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db      |||||:||||:
      28 EEVPGGGRSK 38

RESULT 351
US-10-199-461-444
; Sequence 444, Application US/10199461
; Publication No. US20030068730A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C377
; CURRENT APPLICATION NUMBER: US/10/199,461
; CURRENT FILING DATE: 2002-07-18
; Prior Application removed - See File Wrapper or PALM
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-461-444
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db      |||||:||||:
      28 EEVPGGGRSK 38

RESULT 352
US-10-199-667-444
; Sequence 444, Application US/10199667
; Publication No. US20030068731A1
; GENERAL INFORMATION:

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100

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; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC433
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/10/201,326
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-326-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 357
US-10-201-532-444
; Sequence 444, Application US/10201532
; Publication No. US20030068736A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC444
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/10/201,532
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18

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; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-532-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPGGGRSK 38

RESULT 358
US-10-201-533-444
; Sequence 444, Application US/10201533
; Publication No. US20030068737A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC430
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: US/10/201,533
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.

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; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC434
; CURRENT APPLICATION NUMBER: US/10/201,771
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-771-444

```

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

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RESULT 362
US-10-201-854-444
; Sequence 444, Application US/10201854
; Publication No. US20030068741A1
; GENERAL INFORMATION:
; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC451
; CURRENT APPLICATION NUMBER: US/10/201,854
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17

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; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-854-444

```

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

```

RESULT 363
US-10-202-410-444
; Sequence 444, Application US/10202410
; Publication No. US20030068742A1
; GENERAL INFORMATION:
; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC447
; CURRENT APPLICATION NUMBER: US/10/202,410
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444

```

; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-410-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 364

US-10-202-473-444  
; Sequence 444, Application US/10202473  
; Publication No. US20030068743A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C453  
; CURRENT APPLICATION NUMBER: US/10/202,473  
; CURRENT FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-473-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 365

US-10-202-474-444  
; Sequence 444, Application US/10202474  
; Publication No. US20030068744A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C486  
; CURRENT APPLICATION NUMBER: US/10/202,474  
; CURRENT FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-474-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 366

US-10-205-503-444  
; Sequence 444, Application US/10205503  
; Publication No. US20030068745A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C486
; CURRENT APPLICATION NUMBER: US/10/205,503
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-503-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPVXXXXXX 11
Db 28 EEVVPVGGGRSK 38
```

```
RESULT 367
US-10-205-512-444
; Sequence 444, Application US/10205512
; Publication No. US20030068746A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C481
; CURRENT APPLICATION NUMBER: US/10/205,512
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
```

```
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-512-444
```

```
Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 EEVVPVXXXXXX 11
Db 28 EEVVPVGGGRSK 38
```

```
RESULT 368
US-10-205-892-444
; Sequence 444, Application US/10205892
; Publication No. US20030068747A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C517
; CURRENT APPLICATION NUMBER: US/10/205,892
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
```

```
; ORGANISM: Homo Sapien
US-10-205-892-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 369
US-10-205-894-444
; Sequence 444, Application US/10205894
; Publication No. US20030068748A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC506
; CURRENT APPLICATION NUMBER: US/10/205,894
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-896-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 371
US-10-205-898-444
; Sequence 444, Application US/10205898
; Publication No. US20030068750A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC487
; CURRENT APPLICATION NUMBER: US/10/205,896
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-894-444

Query Match
Best Local Similarity 100.0%; Score 31; DB 9; Length 135;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 370
US-10-205-896-444
; Sequence 444, Application US/10205896
```



FILE REFERENCE: P3430R1C510  
CURRENT APPLICATION NUMBER: US/10/205,898  
CURRENT FILING DATE: 2002-07-26  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-898-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 372  
US-10-205-901-444  
Sequence 444, Application US/10205901  
Publication No. US20030068751A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C509  
CURRENT APPLICATION NUMBER: US/10/205,901  
CURRENT FILING DATE: 2002-07-26  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-901-444

PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-901-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 373  
US-10-205-903-444  
Sequence 444, Application US/10205903  
Publication No. US20030068752A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C503  
CURRENT APPLICATION NUMBER: US/10/205,903  
CURRENT FILING DATE: 2002-07-25  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-205-903-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 374

US-10-206-909-444  
; Sequence 444, Application US/10206509  
; Publication No. US20030068753A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC508

; CURRENT APPLICATION NUMBER: US/10/206,909  
; CURRENT FILING DATE: 2002-07-26

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-206-909-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 375

US-10-206-910-444  
; Sequence 444, Application US/10206910  
; Publication No. US20030068754A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC528

; CURRENT APPLICATION NUMBER: US/10/206,910

; CURRENT FILING DATE: 2002-07-26

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-206-910-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 376

US-10-206-911-444  
; Sequence 444, Application US/10206911  
; Publication No. US20030068755A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC492

; CURRENT APPLICATION NUMBER: US/10/206,911



```
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 379
US-10-206-914-444
; Sequence 444, Application US/10206914
; Publication No. US20030068758A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C2
; CURRENT APPLICATION NUMBER: US/10/206,914
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-920-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 381
US-10-206-921-444
; Sequence 444, Application US/10206921
; Publication No. US20030068760A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C515
; CURRENT APPLICATION NUMBER: US/10/206,921
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586

Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 380
US-10-206-920-444
; Sequence 444, Application US/10206920
; Publication No. US20030068759A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
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Thu May 29 17:38:57 2003

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; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-923-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 382
US-10-206-925-444
; Sequence 444, Application US/10206925
; Publication No. US20030068762A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C522
; CURRENT APPLICATION NUMBER: US/10/206.925
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-925-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 382
US-10-206-923-444
; Sequence 444, Application US/10206923
; Publication No. US20030068761A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C520
; CURRENT APPLICATION NUMBER: US/10/206.923
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28

```

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVVPGGGRSK 38

## RESULT 384

US-10-206-926-444  
 ; Sequence 444, Application US/10206926  
 ; Publication No. US20030068763A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C494  
 ; CURRENT APPLICATION NUMBER: US/10/206, 926  
 ; CURRENT FILING DATE: 2002-07-25  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063120  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063121  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063486  
 ; PRIOR FILING DATE: 1997-10-21  
 ; PRIOR APPLICATION NUMBER: 60/063540  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063541  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063544  
 ; PRIOR FILING DATE: 1997-10-28  
 ; Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 ; US-10-206-926-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVVPGGGRSK 38

## RESULT 385

US-10-206-927-444  
 ; Sequence 444, Application US/10206927  
 ; Publication No. US20030068764A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C537  
 ; CURRENT APPLICATION NUMBER: US/10/207, 916  
 ; CURRENT FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263

; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C497  
 ; CURRENT APPLICATION NUMBER: US/10/206, 927  
 ; CURRENT FILING DATE: 2002-07-25  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/059266  
 ; PRIOR FILING DATE: 1997-09-18  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063120  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063121  
 ; PRIOR FILING DATE: 1997-10-24  
 ; PRIOR APPLICATION NUMBER: 60/063486  
 ; PRIOR FILING DATE: 1997-10-21  
 ; PRIOR APPLICATION NUMBER: 60/063540  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063541  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/063544  
 ; PRIOR FILING DATE: 1997-10-28  
 ; Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 444  
 ; LENGTH: 135  
 ; TYPE: PRT  
 ; ORGANISM: Homo Sapien  
 ; US-10-206-927-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
 |||||:|:|:|:  
 Db 28 EEVVPGGGRSK 38

## RESULT 386

US-10-207-916-444  
 ; Sequence 444, Application US/10207916  
 ; Publication No. US20030068765A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3430R1C537  
 ; CURRENT APPLICATION NUMBER: US/10/207, 916  
 ; CURRENT FILING DATE: 2002-07-29  
 ; PRIOR APPLICATION NUMBER: 10/052586  
 ; PRIOR FILING DATE: 2002-01-15  
 ; PRIOR APPLICATION NUMBER: 60/059263

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PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-207-917-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 388

US-10-207-918-444  
Sequence 444, Application US/10207918  
Publication No. US20030068767A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3430RIC530  
CURRENT APPLICATION NUMBER: US/10/207,918  
CURRENT FILING DATE: 2002-07-29  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 612  
SEQ ID NO 444  
LENGTH: 135  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-207-918-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 387

US-10-207-917-444  
Sequence 444, Application US/10207917  
Publication No. US20030068766A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3430RIC543  
CURRENT APPLICATION NUMBER: US/10/207,917  
CURRENT FILING DATE: 2002-07-29  
PRIOR APPLICATION NUMBER: 10/052586  
PRIOR FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11

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Db 28 EEVPGGGRSK 38
|||||:
RESULT 389
US-10-207-919-444
; Sequence 444, Application US/10207919
; Publication No. US20030068768A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC539
; CURRENT APPLICATION NUMBER: US/10/207,919
; CURRENT FILING DATE: 2002-07-29
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-207-919-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
|||||:
Db 28 EEVPGGGRSK 38

RESULT 391
US-10-207-925-444
; Sequence 444, Application US/10207925
; Publication No. US20030068770A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC541
; CURRENT APPLICATION NUMBER: US/10/207,925
; CURRENT FILING DATE: 2002-07-29
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-207-919-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
|||||:
Db 28 EEVPGGGRSK 38

RESULT 390
US-10-207-920-444
; Sequence 444, Application US/10207920
; Publication No. US20030068769A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC539
; CURRENT APPLICATION NUMBER: US/10/207,920
; CURRENT FILING DATE: 2002-07-29
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/052586
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-207-919-444
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Thu May 29 17:38:57 2003

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-021-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 393

US-10-208-022-444  
; Sequence 444, Application US/10208022  
; Publication No. US20030068772A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C540  
; CURRENT APPLICATION NUMBER: US/10/208,022  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-022-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-207-925-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
Db 28 EEVPPGGGRSK 38

RESULT 392

US-10-208-021-444  
; Sequence 444, Application US/10208021  
; Publication No. US20030068771A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C534  
; CURRENT APPLICATION NUMBER: US/10/208,021  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28



; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-029-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 397

US-10-208-030-444  
; Sequence 444, Application US/10208030  
; Publication No. US20030068776A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C536  
; CURRENT APPLICATION NUMBER: US/10/208,030  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-030-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 398

US-10-216-159A-108  
; Sequence 108, Application US/10216159A  
; Publication No. US20030069397A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C6  
; CURRENT APPLICATION NUMBER: US/10/216,159A  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-216-159A-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38

## RESULT 399

US-10-232-232-444  
; Sequence 444, Application US/10232232  
; Publication No. US20030069407A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430RIC551  
; CURRENT APPLICATION NUMBER: US/10/232,232  
; CURRENT FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: US 10/052,586  
; PRIOR FILING DATE: 2001-01-15  
; PRIOR APPLICATION NUMBER: PCT/US01/06520  
; PRIOR FILING DATE: 2001-02-28  
; PRIOR APPLICATION NUMBER: US 09/380,138  
; PRIOR FILING DATE: 1999-08-25  
; PRIOR APPLICATION NUMBER: PCT/US99/05028  
; PRIOR FILING DATE: 1999-03-08  
; PRIOR APPLICATION NUMBER: US 60/082,568  
; PRIOR FILING DATE: 1998-04-21  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-232-232-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 400  
US-09-990-427-359  
; Sequence 359, Application US/09990427  
; Publication No. US20030073809A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Grifflitsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavini, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: ACIDS Encoding the Same  
; FILE REFERENCE: P2730PIC10  
; CURRENT APPLICATION NUMBER: US/09/990,427  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945  
; PRIOR FILING DATE: 1998-02-25  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/084600  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/087106  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087607  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087827  
; PRIOR FILING DATE: 1998-06-03  
; PRIOR APPLICATION NUMBER: 60/088021  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088025  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088026  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088028  
; PRIOR FILING DATE: 1998-06-04  
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; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088030  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088033  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088326  
; PRIOR FILING DATE: 1998-06-04  
; PRIOR APPLICATION NUMBER: 60/088167  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088202  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088212  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088217  
; PRIOR FILING DATE: 1998-06-05  
; PRIOR APPLICATION NUMBER: 60/088655  
; PRIOR FILING DATE: 1998-06-09  
; PRIOR APPLICATION NUMBER: 60/088734  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088738  
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; PRIOR APPLICATION NUMBER: 60/088742  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088810  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088824  
; PRIOR FILING DATE: 1998-06-10  
; PRIOR APPLICATION NUMBER: 60/088826

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PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090254  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090542  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090676  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090678  
PRIOR FILING DATE: 1998-06-25

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 28 EEVVPGGGRSK 38

RESULT 401

US-09-990-439-359  
; Sequence 359, Application US/09990439  
; Publication No. US20030073090A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavlin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC52  
; CURRENT APPLICATION NUMBER: US/09/990,439

10	PRIOR APPLICATION NUMBER: 60/089100
11	PRIOR FILING DATE: 1998-06-12
12	PRIOR APPLICATION NUMBER: 60/089440
13	PRIOR FILING DATE: 1998-06-16
14	PRIOR APPLICATION NUMBER: 60/089512
15	PRIOR FILING DATE: 1998-06-16
16	PRIOR APPLICATION NUMBER: 60/089514
17	PRIOR FILING DATE: 1998-06-16
18	PRIOR APPLICATION NUMBER: 60/089532
19	PRIOR FILING DATE: 1998-06-17
20	PRIOR APPLICATION NUMBER: 60/089538
21	PRIOR FILING DATE: 1998-06-17
22	PRIOR APPLICATION NUMBER: 60/089598
23	PRIOR FILING DATE: 1998-06-17
24	PRIOR APPLICATION NUMBER: 60/089599
25	PRIOR FILING DATE: 1998-06-17
26	PRIOR APPLICATION NUMBER: 60/089600
27	PRIOR FILING DATE: 1998-06-17
28	PRIOR APPLICATION NUMBER: 60/089655
29	PRIOR FILING DATE: 1998-06-17
30	PRIOR APPLICATION NUMBER: 60/089801
31	PRIOR FILING DATE: 1998-06-18
32	PRIOR APPLICATION NUMBER: 60/089907
33	PRIOR FILING DATE: 1998-06-18
34	PRIOR APPLICATION NUMBER: 60/089908
35	PRIOR FILING DATE: 1998-06-18
36	PRIOR APPLICATION NUMBER: 60/089947
37	PRIOR FILING DATE: 1998-06-19
38	PRIOR APPLICATION NUMBER: 60/089948
39	PRIOR FILING DATE: 1998-06-19
40	PRIOR APPLICATION NUMBER: 60/089952
41	PRIOR FILING DATE: 1998-06-19
42	PRIOR APPLICATION NUMBER: 60/090246
43	PRIOR FILING DATE: 1998-06-22
44	PRIOR APPLICATION NUMBER: 60/090252
45	PRIOR FILING DATE: 1998-06-22
46	PRIOR APPLICATION NUMBER: 60/090254
47	PRIOR FILING DATE: 1998-06-22
48	PRIOR APPLICATION NUMBER: 60/090349
49	PRIOR FILING DATE: 1998-06-23
50	PRIOR APPLICATION NUMBER: 60/090355
51	PRIOR FILING DATE: 1998-06-23
52	PRIOR APPLICATION NUMBER: 60/090429
53	PRIOR FILING DATE: 1998-06-24
54	PRIOR APPLICATION NUMBER: 60/090431
55	PRIOR FILING DATE: 1998-06-24
56	PRIOR APPLICATION NUMBER: 60/090435
57	PRIOR FILING DATE: 1998-06-24
58	PRIOR APPLICATION NUMBER: 60/090444
59	PRIOR FILING DATE: 1998-06-24
60	PRIOR APPLICATION NUMBER: 60/090445
61	PRIOR FILING DATE: 1998-06-24
62	PRIOR APPLICATION NUMBER: 60/090472
63	PRIOR FILING DATE: 1998-06-24
64	PRIOR APPLICATION NUMBER: 60/090535
65	PRIOR FILING DATE: 1998-06-24
66	PRIOR APPLICATION NUMBER: 60/090540
67	PRIOR FILING DATE: 1998-06-24
68	PRIOR APPLICATION NUMBER: 60/090542
69	PRIOR FILING DATE: 1998-06-24
70	PRIOR APPLICATION NUMBER: 60/090557
71	PRIOR FILING DATE: 1998-06-24
72	PRIOR APPLICATION NUMBER: 60/090676
73	PRIOR FILING DATE: 1998-06-25
74	PRIOR APPLICATION NUMBER: 60/090678
75	PRIOR FILING DATE: 1998-06-25
76	PRIOR APPLICATION NUMBER: 60/090690
77	PRIOR FILING DATE: 1998-06-25
78	PRIOR APPLICATION NUMBER: 60/090694
79	PRIOR FILING DATE: 1998-06-25
80	PRIOR APPLICATION NUMBER: 60/090695
81	PRIOR FILING DATE: 1998-06-25
82	PRIOR APPLICATION NUMBER: 60/090696

Thu May 29 17:38:57 2003

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; Sequence 444, Application US/10174578
; Publication No. US20030073170A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C38
; CURRENT APPLICATION NUMBER: US/10/174,578
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-578-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 404
US-10-175-741-444
; Sequence 444, Application US/10175741
; Publication No. US20030073171A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C56
; CURRENT APPLICATION NUMBER: US/10/175,741
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-741-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVPGGGRSK 38

; Sequence 444, Application US/10173693
; Publication No. US20030073169A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C21
; CURRENT APPLICATION NUMBER: US/10/173,693
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-693-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY      1 EEVVPXXXXXX 11
Db      28 EEVPGGGRSK 38

RESULT 403
US-10-174-578-444

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RESULT 405
US-10-175-750-444
; Sequence 444, Application US/10175750
; Publication No. US20030073172A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC47
; CURRENT APPLICATION NUMBER: US/10/175,750
; PRIOR FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-750-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 406
US-10-176-986-444
; Sequence 444, Application US/10176986
; Publication No. US20030073173A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC112
; CURRENT APPLICATION NUMBER: US/10/176,986
; PRIOR FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-986-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
```

```
Db 28 EEVPPGGGRSK 38

RESULT 407
US-10-184-641-444
; Sequence 444, Application US/10184641
; Publication No. US20030073174A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC186
; CURRENT APPLICATION NUMBER: US/10/184,641
; PRIOR FILING DATE: 2002-06-27
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-641-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVPPGGGRSK 38

RESULT 408
US-10-187-888-444
; Sequence 444, Application US/10187888
; Publication No. US20030073175A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC267
; CURRENT APPLICATION NUMBER: US/10/187,888
; PRIOR FILING DATE: 2002-07-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-888-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
```



Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 409

US-10-194-360-444  
; Sequence 444, Application US/10194360  
; Publication No. US20030073176A1

## GENERAL INFORMATION:

; APPLICANT: Chen, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC306

; CURRENT APPLICATION NUMBER: US/10/194,360  
; CURRENT FILING DATE: 2002-07-12

; PRIOR APPLICATION NUMBER: 10/052586

; PRIOR FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-194-360-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 410

US-10-194-365-444

; Sequence 444, Application US/10194365

; Publication No. US20030073177A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430RIC303  
; CURRENT APPLICATION NUMBER: US/10/194,365  
; CURRENT FILING DATE: 2002-07-12  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-194-365-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 411

US-10-195-895-444

; Sequence 444, Application US/10195895

; Publication No. US20030073178A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC332

; CURRENT APPLICATION NUMBER: US/10/195,895

; CURRENT FILING DATE: 2002-07-15

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444

; LENGTH: 135

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-195-895-444

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 412

US-10-195-898-444

; Sequence 444, Application US/10195898

; Publication No. US20030071834A1

## GENERAL INFORMATION:

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC326
; CURRENT APPLICATION NUMBER: US/10/195,898
; CURRENT FILING DATE: 2002-07-15
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-195-898-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 413
US-10-196-759-444
; Sequence 444, Application US/10196759
; Publication No. US20030071835A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC338
; CURRENT APPLICATION NUMBER: US/10/196,759
; CURRENT FILING DATE: 2002-07-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-196-759-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 414
US-10-199-302-444
```

```
; Sequence 444, Application US/10199302
; Publication No. US20030073179A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC423
; CURRENT APPLICATION NUMBER: US/10/199,302
; CURRENT FILING DATE: 2002-07-19
; Prior Application Number: 10/052586
; Prior Filing Date: 2002-01-15
; Prior Application Number: 60/059263
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/059266
; Prior Filing Date: 1997-09-18
; Prior Application Number: 60/062250
; Prior Filing Date: 1997-10-17
; Prior Application Number: 60/063120
; Prior Filing Date: 1997-10-24
; Prior Application Number: 60/063121
; Prior Filing Date: 1997-10-24
; Prior Application Number: 60/063486
; Prior Filing Date: 1997-10-21
; Prior Application Number: 60/063540
; Prior Filing Date: 1997-10-28
; Prior Application Number: 60/063541
; Prior Filing Date: 1997-10-28
; Prior Application Number: 60/063544
; Prior Filing Date: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-199-302-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 415
US-10-201-323-444
; Sequence 444, Application US/10201323
; Publication No. US20030073180A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

RESULT 416  
US-10-205-510-444  
; Sequence 444, Application US/10205510  
; Publication No. US20030073181A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES, AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430RIC483  
; CURRENT APPLICATION NUMBER: US/10/205,510  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121

```

1  APPLICANT:  Zhang, Zemin
2
3  TITLE OF INVENTION:  SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
4  ACIDS ENCODING THE SAME
5
6  FILE REFERENCE:  P3430R1C499
7
8  CURRENT APPLICATION NUMBER:  US/10/205,891
9
10 CURRENT FILING DATE:  2002-07-25
11
12 PRIOR APPLICATION NUMBER:  10/052586
13
14 PRIOR FILING DATE:  2002-01-15
15
16 PRIOR APPLICATION NUMBER:  60/059263
17
18 PRIOR FILING DATE:  1997-09-18
19
20 PRIOR APPLICATION NUMBER:  60/059266
21
22 PRIOR FILING DATE:  1997-09-18
23
24 PRIOR APPLICATION NUMBER:  60/062250
25
26 PRIOR FILING DATE:  1997-10-17
27
28 PRIOR APPLICATION NUMBER:  60/063120
29
30 PRIOR FILING DATE:  1997-10-24
31
32 PRIOR APPLICATION NUMBER:  60/063121
33
34 PRIOR FILING DATE:  1997-10-24
35
36 PRIOR APPLICATION NUMBER:  60/063486
37
38 PRIOR FILING DATE:  1997-10-21
39
40 PRIOR APPLICATION NUMBER:  60/063540
41
42 PRIOR FILING DATE:  1997-10-28
43
44 PRIOR APPLICATION NUMBER:  60/063541
45
46 PRIOR FILING DATE:  1997-10-28
47
48 PRIOR APPLICATION NUMBER:  60/063544
49
50 PRIOR FILING DATE:  1997-10-28
51
52 Prior Application data removed - See File Wrapper or PALM.
53
54 NUMBER OF SEQ ID NOS:  612
55
56 SEQ ID NO 444
57
58 LENGTH:  135
59
60 TYPE:  PRT
61
62 ORGANISM:  Homo Sapien
63

```

## US-10-205-891-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 418

US-10-205-904-444  
; Sequence 444, Application US/10205904  
; Publication No. US20030073813A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C500  
; CURRENT APPLICATION NUMBER: US/10/205,904  
; CURRENT FILING DATE: 2002-07-25  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien

US-10-205-904-444

US-10-205-904-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 419

US-10-206-917-444  
; Sequence 444, Application US/10206917  
; Publication No. US20030073183A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C516  
; CURRENT APPLICATION NUMBER: US/10/206,917  
; CURRENT FILING DATE: 2002-07-26  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien

US-10-206-917-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:~|:~|:~|:~|:~|:  
Db 28 EEVVPGGGRSK 38

## RESULT 420

US-10-207-923-444  
; Sequence 444, Application US/10207923  
; Publication No. US20030073184A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C532

; CURRENT APPLICATION NUMBER: US/10/207,923  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-207-923-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVPGGGRSK 38

RESULT 421  
US-10-207-924-444  
; Sequence 444, Application US/10207924  
; Publication No. US20030073185A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P34301C547  
; CURRENT APPLICATION NUMBER: US/10/207,924  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-028-444

; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-207-924-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVPGGGRSK 38

RESULT 422  
US-10-208-028-444  
; Sequence 444, Application US/10208028  
; Publication No. US20030073186A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P34301C535  
; CURRENT APPLICATION NUMBER: US/10/208,028  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-208-028-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|:|:|:|:|

## RESULT 423

US-10-218-849-108  
; Sequence 108, Application US/10218849  
; Publication No. US20030073814A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C11  
; CURRENT APPLICATION NUMBER: US/10/218,849  
; CURRENT FILING DATE: 2002-08-12  
; Prior Application removed - See File Wrapper or Palm  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-218-849-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38  
|||||:|:|:|:|:|

## RESULT 424

US-10-227-873-108  
; Sequence 108, Application US/10227873  
; Publication No. US20030073816A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C72  
; CURRENT APPLICATION NUMBER: US/10/227,873  
; CURRENT FILING DATE: 2002-08-26  
; Prior Application Number: 10/119,480  
; Prior Filing Date: 2002-04-09  
; Prior Application Number: 60/059113  
; Prior Filing Date: 1997-09-17  
; Prior Application Number: 60/062287

; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/081819  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/081955  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082804  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/084441  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: 60/085323  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: 60/085579  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086392  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089905  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090691  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/095302  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095318  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095916  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: 60/096146  
; PRIOR FILING DATE: 1998-08-11  
; PRIOR APPLICATION NUMBER: 60/096791  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 60/097986  
; PRIOR FILING DATE: 1998-08-26  
; PRIOR APPLICATION NUMBER: 60/098544  
; PRIOR FILING DATE: 1998-08-31  
; PRIOR APPLICATION NUMBER: 60/099596  
; PRIOR FILING DATE: 1998-09-09  
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; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099811  
; PRIOR FILING DATE: 1998-09-10  
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; PRIOR FILING DATE: 1998-09-10  
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; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/100038  
; PRIOR FILING DATE: 1998-09-11

PRIOR APPLICATION NUMBER: 60/100385  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100390  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100627  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100848  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/100919  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/101477  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101738  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101741  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101786  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: 60/101916  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101922  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/106178  
PRIOR FILING DATE: 1998-10-28  
PRIOR APPLICATION NUMBER: 60/106248  
PRIOR FILING DATE: 1998-10-29  
PRIOR APPLICATION NUMBER: 60/106464  
PRIOR FILING DATE: 1998-10-30  
PRIOR APPLICATION NUMBER: 60/106905  
PRIOR FILING DATE: 1998-11-03  
PRIOR APPLICATION NUMBER: 60/108787  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108801  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108849  
PRIOR FILING DATE: 1998-11-18  
PRIOR APPLICATION NUMBER: 60/112422  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113296  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115558  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115565  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115733  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/119549  
PRIOR FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 60/123618  
PRIOR FILING DATE: 1999-03-10  
PRIOR APPLICATION NUMBER: 60/125259  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 60/125775  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/126773  
PRIOR FILING DATE: 1999-03-29  
PRIOR APPLICATION NUMBER: 60/127887  
PRIOR FILING DATE: 1999-04-05  
PRIOR APPLICATION NUMBER: 60/130232  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 60/131022  
PRIOR FILING DATE: 1999-04-26  
PRIOR APPLICATION NUMBER: 60/131270  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131291  
PRIOR FILING DATE: 1999-04-27  
PRIOR APPLICATION NUMBER: 60/131445  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: 60/134287

PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: 60/140650  
PRIOR FILING DATE: 1999-06-22  
PRIOR APPLICATION NUMBER: 60/140723  
PRIOR FILING DATE: 1999-06-22  
PRIOR APPLICATION NUMBER: 60/141037  
PRIOR FILING DATE: 1999-06-23  
PRIOR APPLICATION NUMBER: 60/144758  
PRIOR FILING DATE: 1999-07-20  
PRIOR APPLICATION NUMBER: 60/145698  
PRIOR FILING DATE: 1999-07-26  
PRIOR APPLICATION NUMBER: 60/146222  
PRIOR FILING DATE: 1999-07-28  
PRIOR APPLICATION NUMBER: 60/146963  
PRIOR FILING DATE: 1999-08-03  
PRIOR APPLICATION NUMBER: 60/149320  
PRIOR FILING DATE: 1999-08-17  
PRIOR APPLICATION NUMBER: 60/149638  
PRIOR FILING DATE: 1999-08-17  
PRIOR APPLICATION NUMBER: 60/151733  
PRIOR FILING DATE: 1999-08-31  
PRIOR APPLICATION NUMBER: 60/164418  
PRIOR FILING DATE: 1999-11-09  
PRIOR APPLICATION NUMBER: 60/166361  
PRIOR FILING DATE: 1999-11-16  
PRIOR APPLICATION NUMBER: 60/169445  
PRIOR FILING DATE: 1999-12-07  
PRIOR APPLICATION NUMBER: 60/169495  
PRIOR FILING DATE: 1999-12-07  
PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

OY 1 BEVVPXXXXX 11  
DB 28 BEVVPGGGRSK 38

RESULT 425  
US-10-227-883-108  
Sequence 108, Application US/10227883  
Publication No. US20030073817A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Desnoyers, Luc  
APPLICANT: Gerritsen, Mary  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Gurney, Austin L.  
APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3530PIC78  
CURRENT APPLICATION NUMBER: US/10/227.883  
CURRENT FILING DATE: 2002-08-26  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17

; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/081819  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/081955  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082804  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/084441  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: 60/085323  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: 60/085579  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086392  
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; PRIOR APPLICATION NUMBER: 60/089532  
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; PRIOR APPLICATION NUMBER: 60/089538  
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; PRIOR APPLICATION NUMBER: 60/089905  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
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; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/091982  
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; PRIOR APPLICATION NUMBER: 60/095302  
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; PRIOR APPLICATION NUMBER: 60/095318  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095916  
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; PRIOR APPLICATION NUMBER: 60/096791  
; PRIOR FILING DATE: 1998-08-17  
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; PRIOR FILING DATE: 1998-08-26  
; PRIOR APPLICATION NUMBER: 60/098544  
; PRIOR FILING DATE: 1998-08-31  
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; PRIOR FILING DATE: 1998-09-10  
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; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099816  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/100038  
; PRIOR FILING DATE: 1998-09-11  
; PRIOR APPLICATION NUMBER: 60/100385  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100390  
; PRIOR FILING DATE: 1998-09-15  
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; PRIOR FILING DATE: 1998-09-16  
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; PRIOR FILING DATE: 1998-09-18  
; PRIOR APPLICATION NUMBER: 60/100919  
; PRIOR FILING DATE: 1998-09-17  
; PRIOR APPLICATION NUMBER: 60/101477  
; PRIOR FILING DATE: 1998-09-23  
; PRIOR APPLICATION NUMBER: 60/101738  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101741  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101786  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: 60/101916  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101922  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/106178  
; PRIOR FILING DATE: 1998-10-28  
; PRIOR APPLICATION NUMBER: 60/106248  
; PRIOR FILING DATE: 1998-10-29  
; PRIOR APPLICATION NUMBER: 60/106464  
; PRIOR FILING DATE: 1998-10-30  
; PRIOR APPLICATION NUMBER: 60/106905  
; PRIOR FILING DATE: 1998-11-03  
; PRIOR APPLICATION NUMBER: 60/108787  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108801  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108849  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 60/112422  
; PRIOR FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 60/113296  
; PRIOR FILING DATE: 1998-12-22  
; PRIOR APPLICATION NUMBER: 60/113605  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/113621  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/115558  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/115565  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/115733  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/119549  
; PRIOR FILING DATE: 1999-02-10  
; PRIOR APPLICATION NUMBER: 60/123618  
; PRIOR FILING DATE: 1999-03-10  
; PRIOR APPLICATION NUMBER: 60/125259  
; PRIOR FILING DATE: 1999-03-19  
; PRIOR APPLICATION NUMBER: 60/125775  
; PRIOR FILING DATE: 1999-03-23  
; PRIOR APPLICATION NUMBER: 60/126773  
; PRIOR FILING DATE: 1999-03-29  
; PRIOR APPLICATION NUMBER: 60/127887  
; PRIOR FILING DATE: 1999-04-05  
; PRIOR APPLICATION NUMBER: 60/130232  
; PRIOR FILING DATE: 1999-04-21  
; PRIOR APPLICATION NUMBER: 60/131022  
; PRIOR FILING DATE: 1999-04-26  
; PRIOR APPLICATION NUMBER: 60/131270  
; PRIOR FILING DATE: 1999-04-27  
; PRIOR APPLICATION NUMBER: 60/131291  
; PRIOR FILING DATE: 1999-04-27  
; PRIOR APPLICATION NUMBER: 60/131445  
; PRIOR FILING DATE: 1999-04-28  
; PRIOR APPLICATION NUMBER: 60/134287  
; PRIOR FILING DATE: 1999-05-14  
; PRIOR APPLICATION NUMBER: 60/140650  
; PRIOR FILING DATE: 1999-06-22  
; PRIOR APPLICATION NUMBER: 60/140723  
; PRIOR FILING DATE: 1999-06-22  
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; PRIOR FILING DATE: 1999-06-23



;; PRIOR APPLICATION NUMBER: 60/144758  
;; PRIOR FILING DATE: 1999-07-20  
;; PRIOR APPLICATION NUMBER: 60/145698  
;; PRIOR FILING DATE: 1999-07-26  
;; PRIOR APPLICATION NUMBER: 60/146222  
;; PRIOR FILING DATE: 1999-07-28  
;; PRIOR APPLICATION NUMBER: 60/146963  
;; PRIOR FILING DATE: 1999-08-03  
;; PRIOR APPLICATION NUMBER: 60/149320  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/149638  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/151733  
;; PRIOR FILING DATE: 1999-08-31  
;; PRIOR APPLICATION NUMBER: 60/164418  
;; PRIOR FILING DATE: 1999-11-09  
;; PRIOR APPLICATION NUMBER: 60/166361  
;; PRIOR FILING DATE: 1999-11-16  
;; PRIOR APPLICATION NUMBER: 60/169445  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169495  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

RESULT 426  
US-09-989-328-359  
; Sequence 359, Application US/09989328  
; Publication No. US20030077593A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PLC54  
; CURRENT APPLICATION NUMBER: US/09/989,328  
; CURRENT FILING DATE: 2001-11-01  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12

;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 532  
; SEQ ID NO 359  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-989-328-359

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 427

US-09-993-583-359  
; Sequence 359, Application US/0993583  
; Publication No. US20030077594A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnovers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PLC7  
; CURRENT APPLICATION NUMBER: US/09/993,583  
; CURRENT FILING DATE: 2001-11-14  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13

;	PRIOR FILING DATE:	1998-06-17	
;	PRIOR APPLICATION NUMBER:	60/089538	
;	PRIOR FILING DATE:	1998-06-17	
;	PRIOR APPLICATION NUMBER:	60/089598	
;	PRIOR FILING DATE:	1998-06-17	
;	PRIOR APPLICATION NUMBER:	60/089599	
;	PRIOR FILING DATE:	1998-06-17	
;	PRIOR APPLICATION NUMBER:	60/089600	
;	PRIOR FILING DATE:	1998-06-17	
;	PRIOR APPLICATION NUMBER:	60/089653	
;	PRIOR FILING DATE:	1998-06-17	
;	PRIOR APPLICATION NUMBER:	60/089801	
;	PRIOR FILING DATE:	1998-06-18	
;	PRIOR APPLICATION NUMBER:	60/089907	
;	PRIOR FILING DATE:	1998-06-18	
;	PRIOR APPLICATION NUMBER:	60/089908	
;	PRIOR FILING DATE:	1998-06-18	
;	PRIOR APPLICATION NUMBER:	60/089947	
;	PRIOR FILING DATE:	1998-06-19	
;	PRIOR APPLICATION NUMBER:	60/089948	
;	PRIOR FILING DATE:	1998-06-19	
;	PRIOR APPLICATION NUMBER:	60/089952	
;	PRIOR FILING DATE:	1998-06-19	
;	PRIOR APPLICATION NUMBER:	60/090246	
;	PRIOR FILING DATE:	1998-06-22	
;	PRIOR APPLICATION NUMBER:	60/090252	
;	PRIOR FILING DATE:	1998-06-22	
;	PRIOR APPLICATION NUMBER:	60/090254	
;	PRIOR FILING DATE:	1998-06-22	
;	PRIOR APPLICATION NUMBER:	60/090349	
;	PRIOR FILING DATE:	1998-06-23	
;	PRIOR APPLICATION NUMBER:	60/090355	
;	PRIOR FILING DATE:	1998-06-23	
;	PRIOR APPLICATION NUMBER:	60/090429	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090431	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090435	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090444	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090445	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090472	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090535	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090540	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090542	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090557	
;	PRIOR FILING DATE:	1998-06-24	
;	PRIOR APPLICATION NUMBER:	60/090676	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090678	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090690	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090694	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090695	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090696	
;	PRIOR FILING DATE:	1998-06-25	
;	PRIOR APPLICATION NUMBER:	60/090862	
;	PRIOR FILING DATE:	1998-06-26	
;	PRIOR APPLICATION NUMBER:	60/090863	
;	PRIOR FILING DATE:	1998-06-26	
;	PRIOR APPLICATION NUMBER:	60/091360	
;	PRIOR FILING DATE:	1998-07-01	
;	PRIOR APPLICATION NUMBER:	60/091478	
;	PRIOR FILING DATE:	1998-07-01	

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; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
Db 28 EEVPPGGGRSK 38

RESULT 428
US-10-121-062-444
; Sequence 444, Application US/10121062
; Publication No. US2003007779A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/121.062
; CURRENT FILING DATE: 2002-04-12
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-121-062-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
Db 28 EEVPPGGGRSK 38

RESULT 429
US-10-175-753-444
; Sequence 444, Application US/10175753
; Publication No. US20030077732A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
Db 28 EEVPPGGGRSK 38

RESULT 430
US-10-180-553-444
; Sequence 444, Application US/10180553
; Publication No. US20030077733A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C152
; CURRENT APPLICATION NUMBER: US/10/180.553
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-553-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
Db 28 EEVPPGGGRSK 38

RESULT 431
US-10-201-327-444
; Sequence 444, Application US/10201327
; Publication No. US20030077736A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
Db 28 EEVPPGGGRSK 38

RESULT 432
US-10-175-753-444
; Sequence 444, Application US/10175753
; Publication No. US20030077732A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
Db 28 EEVPPGGGRSK 38

RESULT 433
US-10-180-553-444
; Sequence 444, Application US/10180553
; Publication No. US20030077733A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C152
; CURRENT APPLICATION NUMBER: US/10/180.553
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-553-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
   |||||:
Db 28 EEVPPGGGRSK 38

RESULT 434
US-10-201-327-444
; Sequence 444, Application US/10201327
; Publication No. US20030077736A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
```

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; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C445
; CURRENT APPLICATION NUMBER: US/10/201,327
; CURRENT FILING DATE: 2002-07-22
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-201-327-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1  EEVVPXXXXXX 11
        |||||:
Db      28  EEVVPGGGRSK 38

RESULT 432
US-10-219-076-108
; Sequence 108, Application US/10219076
; Publication No. US20030078379A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C62
; CURRENT APPLICATION NUMBER: US/10/219,076
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-076-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy      1  EEVVPXXXXXX 11
        |||||:
Db      28  EEVVPGGGRSK 38

RESULT 433
US-10-230-434-108
; Sequence 108, Application US/10230434
; Publication No. US20030078380A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C82
; CURRENT APPLICATION NUMBER: US/10/230,434
; CURRENT FILING DATE: 2002-08-28
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-076-108

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[illegible]

;; PRIOR FILING DATE: 1999-07-28  
;; PRIOR APPLICATION NUMBER: 60/146963  
;; PRIOR FILING DATE: 1999-08-03  
;; PRIOR APPLICATION NUMBER: 60/149320  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/149638  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/151733  
;; PRIOR FILING DATE: 1999-08-31  
;; PRIOR APPLICATION NUMBER: 60/164418  
;; PRIOR FILING DATE: 1999-11-09  
;; PRIOR APPLICATION NUMBER: 60/166361  
;; PRIOR FILING DATE: 1999-11-16  
;; PRIOR APPLICATION NUMBER: 60/169445  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169495  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 BEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 BEVVPGGGRK 38

## RESULT 434

US-09-941-992-359  
; Sequence 359, Application US/09941992  
; Publication No. US20030082546A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gieritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C1  
; CURRENT APPLICATION NUMBER: US/09/941,992  
; PRIOR FILING DATE: 2001-08-28  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
; PRIOR FILING DATE: 1997-11-12  
; PRIOR APPLICATION NUMBER: 60/065311  
; PRIOR FILING DATE: 1997-11-13  
; PRIOR APPLICATION NUMBER: 60/066770  
; PRIOR FILING DATE: 1997-11-24  
; PRIOR APPLICATION NUMBER: 60/075945

;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
;; PRIOR APPLICATION NUMBER: 60/087607  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087609  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087759  
;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088021  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088026  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088030  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088734  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088742  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088810  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088858  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089440  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089532  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17



1 PRIOR APPLICATION NUMBER: 60/087106  
2 PRIOR FILING DATE: 1998-05-28  
3 PRIOR APPLICATION NUMBER: 60/087607  
4 PRIOR FILING DATE: 1998-06-02  
5 PRIOR APPLICATION NUMBER: 60/087609  
6 PRIOR FILING DATE: 1998-06-02  
7 PRIOR APPLICATION NUMBER: 60/087759  
8 PRIOR FILING DATE: 1998-06-02  
9 PRIOR APPLICATION NUMBER: 60/087827  
10 PRIOR FILING DATE: 1998-06-03  
11 PRIOR APPLICATION NUMBER: 60/088021  
12 PRIOR FILING DATE: 1998-06-04  
13 PRIOR APPLICATION NUMBER: 60/088025  
14 PRIOR FILING DATE: 1998-06-04  
15 PRIOR APPLICATION NUMBER: 60/088026  
16 PRIOR FILING DATE: 1998-06-04  
17 PRIOR APPLICATION NUMBER: 60/088028  
18 PRIOR FILING DATE: 1998-06-04  
19 PRIOR APPLICATION NUMBER: 60/088029  
20 PRIOR FILING DATE: 1998-06-04  
21 PRIOR APPLICATION NUMBER: 60/088030  
22 PRIOR FILING DATE: 1998-06-04  
23 PRIOR APPLICATION NUMBER: 60/088033  
24 PRIOR FILING DATE: 1998-06-04  
25 PRIOR APPLICATION NUMBER: 60/088326  
26 PRIOR FILING DATE: 1998-06-04  
27 PRIOR APPLICATION NUMBER: 60/088167  
28 PRIOR FILING DATE: 1998-06-05  
29 PRIOR APPLICATION NUMBER: 60/088202  
30 PRIOR FILING DATE: 1998-06-05  
31 PRIOR APPLICATION NUMBER: 60/088212  
32 PRIOR FILING DATE: 1998-06-05  
33 PRIOR APPLICATION NUMBER: 60/088217  
34 PRIOR FILING DATE: 1998-06-05  
35 PRIOR APPLICATION NUMBER: 60/088655  
36 PRIOR FILING DATE: 1998-06-09  
37 PRIOR APPLICATION NUMBER: 60/088734  
38 PRIOR FILING DATE: 1998-06-10  
39 PRIOR APPLICATION NUMBER: 60/088738  
40 PRIOR FILING DATE: 1998-06-10  
41 PRIOR APPLICATION NUMBER: 60/088742  
42 PRIOR FILING DATE: 1998-06-10  
43 PRIOR APPLICATION NUMBER: 60/088810  
44 PRIOR FILING DATE: 1998-06-10  
45 PRIOR APPLICATION NUMBER: 60/088824  
46 PRIOR FILING DATE: 1998-06-10  
47 PRIOR APPLICATION NUMBER: 60/088826  
48 PRIOR FILING DATE: 1998-06-10  
49 PRIOR APPLICATION NUMBER: 60/088858  
50 PRIOR FILING DATE: 1998-06-11  
51 PRIOR APPLICATION NUMBER: 60/088861  
52 PRIOR FILING DATE: 1998-06-11  
53 PRIOR APPLICATION NUMBER: 60/088876  
54 PRIOR FILING DATE: 1998-06-11  
55 PRIOR APPLICATION NUMBER: 60/089105  
56 PRIOR FILING DATE: 1998-06-12  
57 PRIOR APPLICATION NUMBER: 60/089440  
58 PRIOR FILING DATE: 1998-06-16  
59 PRIOR APPLICATION NUMBER: 60/089512  
60 PRIOR FILING DATE: 1998-06-16  
61 PRIOR APPLICATION NUMBER: 60/089514  
62 PRIOR FILING DATE: 1998-06-16  
63 PRIOR APPLICATION NUMBER: 60/089532  
64 PRIOR FILING DATE: 1998-06-17  
65 PRIOR APPLICATION NUMBER: 60/089538  
66 PRIOR FILING DATE: 1998-06-17  
67 PRIOR APPLICATION NUMBER: 60/089598  
68 PRIOR FILING DATE: 1998-06-17  
69 PRIOR APPLICATION NUMBER: 60/089599  
70 PRIOR FILING DATE: 1998-06-17  
71 PRIOR APPLICATION NUMBER: 60/089600  
72 PRIOR FILING DATE: 1998-06-17  
73 PRIOR APPLICATION NUMBER: 60/089653

74 PRIOR FILING DATE: 1998-06-17  
75 PRIOR APPLICATION NUMBER: 60/089801  
76 PRIOR FILING DATE: 1998-06-18  
77 PRIOR APPLICATION NUMBER: 60/089907  
78 PRIOR FILING DATE: 1998-06-18  
79 PRIOR APPLICATION NUMBER: 60/089908  
80 PRIOR FILING DATE: 1998-06-18  
81 PRIOR APPLICATION NUMBER: 60/089947  
82 PRIOR FILING DATE: 1998-06-19  
83 PRIOR APPLICATION NUMBER: 60/089948  
84 PRIOR FILING DATE: 1998-06-19  
85 PRIOR APPLICATION NUMBER: 60/089952  
86 PRIOR FILING DATE: 1998-06-19  
87 PRIOR APPLICATION NUMBER: 60/090246  
88 PRIOR FILING DATE: 1998-06-22  
89 PRIOR APPLICATION NUMBER: 60/090252  
90 PRIOR FILING DATE: 1998-06-22  
91 PRIOR APPLICATION NUMBER: 60/090254  
92 PRIOR FILING DATE: 1998-06-22  
93 PRIOR APPLICATION NUMBER: 60/090349  
94 PRIOR FILING DATE: 1998-06-23  
95 PRIOR APPLICATION NUMBER: 60/090355  
96 PRIOR FILING DATE: 1998-06-23  
97 PRIOR APPLICATION NUMBER: 60/090429  
98 PRIOR FILING DATE: 1998-06-24  
99 PRIOR APPLICATION NUMBER: 60/090431  
100 PRIOR FILING DATE: 1998-06-24  
101 PRIOR APPLICATION NUMBER: 60/090435  
102 PRIOR FILING DATE: 1998-06-24  
103 PRIOR APPLICATION NUMBER: 60/090444  
104 PRIOR FILING DATE: 1998-06-24  
105 PRIOR APPLICATION NUMBER: 60/090445  
106 PRIOR FILING DATE: 1998-06-24  
107 PRIOR APPLICATION NUMBER: 60/090472  
108 PRIOR FILING DATE: 1998-06-24  
109 PRIOR APPLICATION NUMBER: 60/090535  
110 PRIOR FILING DATE: 1998-06-24  
111 PRIOR APPLICATION NUMBER: 60/090540  
112 PRIOR FILING DATE: 1998-06-24  
113 PRIOR APPLICATION NUMBER: 60/090542  
114 PRIOR FILING DATE: 1998-06-24  
115 PRIOR APPLICATION NUMBER: 60/090557  
116 PRIOR FILING DATE: 1998-06-24  
117 PRIOR APPLICATION NUMBER: 60/090676  
118 PRIOR FILING DATE: 1998-06-25  
119 PRIOR APPLICATION NUMBER: 60/090678  
120 PRIOR FILING DATE: 1998-06-25  
121 PRIOR APPLICATION NUMBER: 60/090690  
122 PRIOR FILING DATE: 1998-06-25  
123 PRIOR APPLICATION NUMBER: 60/090694  
124 PRIOR FILING DATE: 1998-06-25  
125 PRIOR APPLICATION NUMBER: 60/090695  
126 PRIOR FILING DATE: 1998-06-25  
127 PRIOR APPLICATION NUMBER: 60/090696  
128 PRIOR FILING DATE: 1998-06-25  
129 PRIOR APPLICATION NUMBER: 60/090862  
130 PRIOR FILING DATE: 1998-06-26  
131 PRIOR APPLICATION NUMBER: 60/090863  
132 PRIOR FILING DATE: 1998-06-26  
133 PRIOR APPLICATION NUMBER: 60/091360  
134 PRIOR FILING DATE: 1998-07-01  
135 PRIOR APPLICATION NUMBER: 60/091478  
136 PRIOR FILING DATE: 1998-07-02  
137 PRIOR APPLICATION NUMBER: 60/091544  
138 PRIOR FILING DATE: 1998-07-01  
139 PRIOR APPLICATION NUMBER: 60/091519  
140 PRIOR FILING DATE: 1998-07-02  
141 PRIOR APPLICATION NUMBER: 60/091626  
142 PRIOR FILING DATE: 1998-07-02  
143 PRIOR APPLICATION NUMBER: 60/091633  
144 PRIOR FILING DATE: 1998-07-02  
145 PRIOR APPLICATION NUMBER: 60/091978  
146 PRIOR FILING DATE: 1998-07-07



; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/092182  
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 436

US-10-173-696-444  
; Sequence 444, Application US/10173696  
; Publication No. US20030082767A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C5  
; CURRENT APPLICATION NUMBER: US/10/173,696  
; CURRENT FILING DATE: 2002-06-17  
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-173-696-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 437

US-10-183-003-444  
; Sequence 444, Application US/10183003  
; Publication No. US20030082716A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C82  
; CURRENT APPLICATION NUMBER: US/10/183,003  
; CURRENT FILING DATE: 2002-06-26

; PRIOR APPLICATION REMOVED - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-183-003-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 438

US-10-183-016-444  
; Sequence 444, Application US/10183016  
; Publication No. US20030082717A1

## GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C175  
; CURRENT APPLICATION NUMBER: US/10/183,016  
; CURRENT FILING DATE: 2002-06-26  
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-183-016-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

## RESULT 439

US-09-997-333-359  
; Sequence 359, Application US/09997333  
; Publication No. US20030087304A1

## GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
TITLE OF INVENTION: Acids Encoding the Same  
FILE REFERENCE: P2730PIC27  
CURRENT APPLICATION NUMBER: US/09/997,333  
CURRENT FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: 60/049787  
PRIOR FILING DATE: 1997-06-16  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/065186  
PRIOR FILING DATE: 1997-11-12  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066770  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/075945  
PRIOR FILING DATE: 1998-02-25  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/084600  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/087106  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087607  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087609  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087759  
PRIOR FILING DATE: 1998-06-02  
PRIOR APPLICATION NUMBER: 60/087827  
PRIOR FILING DATE: 1998-06-03  
PRIOR APPLICATION NUMBER: 60/088021  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088025  
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PRIOR APPLICATION NUMBER: 60/088026  
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PRIOR APPLICATION NUMBER: 60/088028  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088029  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088030  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088033  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088167  
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PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088217  
PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
PRIOR APPLICATION NUMBER: 60/088734  
PRIOR FILING DATE: 1998-06-10  
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PRIOR APPLICATION NUMBER: 60/088810  
PRIOR FILING DATE: 1998-06-10  
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PRIOR FILING DATE: 1998-06-10  
PRIOR APPLICATION NUMBER: 60/088826  
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PRIOR APPLICATION NUMBER: 60/088858  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088861  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/088876  
PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089440  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089599  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089600  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089801  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089907  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089908  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/089947  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089948  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/089952  
PRIOR FILING DATE: 1998-06-19  
PRIOR APPLICATION NUMBER: 60/090246  
PRIOR FILING DATE: 1998-06-22  
PRIOR APPLICATION NUMBER: 60/090252  
PRIOR FILING DATE: 1998-06-22  
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PRIOR APPLICATION NUMBER: 60/090349  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090355  
PRIOR FILING DATE: 1998-06-23  
PRIOR APPLICATION NUMBER: 60/090429  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090431  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090435  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090444  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090445  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090535  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090540  
PRIOR FILING DATE: 1998-06-24

;; PRIOR APPLICATION NUMBER: 60/090542  
;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090557  
;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR APPLICATION NUMBER: 60/090695  
;; PRIOR FILING DATE: 1998-06-25  
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;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.58; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 EEVVPGGGRSK 38

## RESULT 440

US-09-997-384-359

Sequence 359, Application US/09997384

Publication No. US20030087305A1

## GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Eaton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
;; APPLICANT: Fong, Sherman  
;; APPLICANT: Gerber, Hanspeter  
;; APPLICANT: Gerritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Kijavini, Ivar J.  
;; APPLICANT: Napier, Mary A.  
;; APPLICANT: Pan, James  
;; APPLICANT: Paoni, Nicholas F.  
;; APPLICANT: Roy, Margaret Ann  
;; APPLICANT: Stewart, Timothy A.  
;; APPLICANT: Tumas, Daniel

;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin  
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730PIC35  
;; CURRENT APPLICATION NUMBER: US/09/997,384  
;; CURRENT FILING DATE: 2001-11-15  
;; PRIOR APPLICATION NUMBER: 60/049787  
;; PRIOR FILING DATE: 1997-06-16  
;; PRIOR APPLICATION NUMBER: 60/062250  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/065186  
;; PRIOR FILING DATE: 1997-11-12  
;; PRIOR APPLICATION NUMBER: 60/065311  
;; PRIOR FILING DATE: 1997-11-13  
;; PRIOR APPLICATION NUMBER: 60/066770  
;; PRIOR FILING DATE: 1997-11-24  
;; PRIOR APPLICATION NUMBER: 60/075945  
;; PRIOR FILING DATE: 1998-02-25  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/083322  
;; PRIOR FILING DATE: 1998-04-28  
;; PRIOR APPLICATION NUMBER: 60/084600  
;; PRIOR FILING DATE: 1998-05-07  
;; PRIOR APPLICATION NUMBER: 60/087106  
;; PRIOR FILING DATE: 1998-05-28  
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;; PRIOR FILING DATE: 1998-06-02  
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;; PRIOR APPLICATION NUMBER: 60/088021  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-24  
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;; PRIOR FILING DATE: 1998-06-24  
;; PRIOR APPLICATION NUMBER: 60/090676  
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;; PRIOR APPLICATION NUMBER: 60/090678

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;; PRIOR FILING DATE: 1998-06-25  
;; PRIOR APPLICATION NUMBER: 60/090862  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/090863  
;; PRIOR FILING DATE: 1998-06-26  
;; PRIOR APPLICATION NUMBER: 60/091360  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091478  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091544  
;; PRIOR FILING DATE: 1998-07-01  
;; PRIOR APPLICATION NUMBER: 60/091519  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091626  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091633  
;; PRIOR FILING DATE: 1998-07-02  
;; PRIOR APPLICATION NUMBER: 60/091978  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/091982  
;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2 5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVPPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

## RESULT 441

US-10-125-923A-444  
; Sequence 444, Application US/10125923A  
; Publication No. US20030087348A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C79  
; CURRENT APPLICATION NUMBER: US/10/125,923A  
; CURRENT FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121

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; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC108
; CURRENT APPLICATION NUMBER: US/10/176,979
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-979-444

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
DB 28 EEVPGGGRSK 38
|||||:

RESULT 444
US-10-187-592-444
; Sequence 444, Application US/10187592
; Publication No. US20030087376A1
; GENERAL INFORMATION:
; APPLICANT: Baker,Kevin P.
; APPLICANT: Chen,Jian
; APPLICANT: Desnoyers,Luc
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC253
; CURRENT APPLICATION NUMBER: US/10/187,592
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 444

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; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-187-592-444

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. NO. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 445
US-10-219-003-108
; Sequence 108, Application US/10219003
; Publication No. US20030088063A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C12
; CURRENT APPLICATION NUMBER: US/10/219,003
; CURRENT FILING DATE: 2002-08-12
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
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; PRIOR FILING DATE: 1998-11-03
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; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/108801
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; PRIOR FILING DATE: 1998-11-17
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; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115558
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115565
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; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
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; PRIOR FILING DATE: 1999-06-22
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; PRIOR FILING DATE: 1999-07-28
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; PRIOR FILING DATE: 1999-08-17
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; PRIOR APPLICATION NUMBER: 60/164418
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; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

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Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;

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Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
QY 1 EEVVPXXXXX 11
DB 28 EEVPGGGRSK 38

RESULT 446
US-10-219-075-108
; Sequence 108, Application US/10219075
; Publication No. US20030088064A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C61
; CURRENT APPLICATION NUMBER: US/10/219,075
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-075-108

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Query Match 100.0%; Score 31; DB 9; Length 135;  
 Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 EEVVPXXXXX 11
DB 28 EEVPGGGRSK 38

```

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RESULT 447
US-10-219-464-108
; Sequence 108, Application US/10219464
; Publication No. US20030088065A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary

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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC57
; CURRENT APPLICATION NUMBER: US/10/219,464
; CURRENT FILING DATE: 2002-08-14
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/059873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-464-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXXX 11
Db 28 BEVVPGGGRSK 38

RESULT 448
US-10-219-466-108
; Sequence 108, Application US/10219466
; Publication No. US20030088066A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC47
; CURRENT APPLICATION NUMBER: US/10/219,466
; CURRENT FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
```

```
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC57
; CURRENT APPLICATION NUMBER: US/10/219,479
; CURRENT FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-466-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 BEVVPXXXXXX 11
Db 28 BEVVPGGGRSK 38

RESULT 449
US-10-219-479-108
; Sequence 108, Application US/10219479
; Publication No. US20030088067A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC33
; CURRENT APPLICATION NUMBER: US/10/219,479
; CURRENT FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-466-108
```



; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-479-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 450  
US-10-219-481-108  
; Sequence 108, Application US/10219481  
; Publication No. US20030088068A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3530PIC28  
; CURRENT APPLICATION NUMBER: US/10/219,481

; PRIOR FILING DATE: 2002-08-13  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-481-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 451  
US-10-230-260-108  
; Sequence 108, Application US/10230260  
; Publication No. US20030088070A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3530PIC83  
; CURRENT APPLICATION NUMBER: US/10/230,260

; PRIOR FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-230-260-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVPPGGGRSK 38

RESULT 452  
US-10-232-231-108  
; Sequence 108, Application US/10232231  
; Publication No. US20030088071A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.

```
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C104
; CURRENT APPLICATION NUMBER: US/10/232,231
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-231-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:|:|:|:
Db 28 EEVVGGRSK 38

RESULT 453
US-10-232-233-108
; Sequence 108, Application US/10232233
; Publication No. US20030086072A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C108
; CURRENT APPLICATION NUMBER: US/10/232,233
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
```

```
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-233-108

Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11
   |||||:|:|:|:
Db 28 EEVVGGRSK 38

RESULT 454
US-10-197-691-444
; Sequence 444, Application US/10197691
; Publication No. US20030092121A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C373
; CURRENT APPLICATION NUMBER: US/10/197,691
; CURRENT FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
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; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-197-691-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

## RESULT 455

US-10-198-771-444  
; Sequence 444, Application US/10198771  
; Publication No. US20030092122A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C417  
; CURRENT APPLICATION NUMBER: US/10/198,771  
; CURRENT FILING DATE: 2002-07-19  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-198-771-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

DB 28 EEVPPGGGRSK 38

## RESULT 456

US-10-216-165-108  
; Sequence 108, Application US/10216165  
; Publication No. US20030092886A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C7  
; CURRENT APPLICATION NUMBER: US/10/216,165  
; CURRENT FILING DATE: 2002-08-09  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-216-165-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
DB 28 EEVPPGGGRSK 38

## RESULT 457

US-10-218-956-108  
; Sequence 108, Application US/10218956  
; Publication No. US20030092887A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.

APPLICANT: Smith, Victoria  
APPLICANT: Stephan, Jean-Philippe F.  
APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3530P15  
CURRENT APPLICATION NUMBER: US/10/218,956  
CURRENT FILING DATE: 2002-08-12  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/081819  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081955  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082804  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/084441  
PRIOR FILING DATE: 1998-05-06  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086392  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089905  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090691  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/095302  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095318  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095916  
PRIOR FILING DATE: 1998-08-10  
PRIOR APPLICATION NUMBER: 60/096146  
PRIOR FILING DATE: 1998-08-11  
PRIOR APPLICATION NUMBER: 60/096791  
PRIOR FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: 60/097986  
PRIOR FILING DATE: 1998-08-26  
PRIOR APPLICATION NUMBER: 60/098544  
PRIOR FILING DATE: 1998-08-31  
PRIOR APPLICATION NUMBER: 60/099596  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099598  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099803  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099811  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099812  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099816  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/100038  
PRIOR FILING DATE: 1998-09-11  
PRIOR APPLICATION NUMBER: 60/100385  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100390  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100627  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100848  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/100919  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/101477  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101738  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101741  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101786  
PRIOR FILING DATE: 1998-09-25  
PRIOR APPLICATION NUMBER: 60/101916  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101922  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/106178  
PRIOR FILING DATE: 1998-10-28  
PRIOR APPLICATION NUMBER: 60/106248  
PRIOR FILING DATE: 1998-10-29  
PRIOR APPLICATION NUMBER: 60/106464  
PRIOR FILING DATE: 1998-10-30  
PRIOR APPLICATION NUMBER: 60/106905  
PRIOR FILING DATE: 1998-11-03  
PRIOR APPLICATION NUMBER: 60/108787  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108801  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108849  
PRIOR FILING DATE: 1998-11-18  
PRIOR APPLICATION NUMBER: 60/112422  
PRIOR FILING DATE: 1998-12-15  
PRIOR APPLICATION NUMBER: 60/113296  
PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/113621  
PRIOR FILING DATE: 1998-12-23  
PRIOR APPLICATION NUMBER: 60/115558  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115565  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115733  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/119549  
PRIOR FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 60/123618  
PRIOR FILING DATE: 1999-03-10  
PRIOR APPLICATION NUMBER: 60/125259  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 60/125775  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/126773

;; PRIOR FILING DATE: 1999-03-29  
;; PRIOR APPLICATION NUMBER: 60/127887  
;; PRIOR FILING DATE: 1999-04-05  
;; PRIOR APPLICATION NUMBER: 60/130232  
;; PRIOR FILING DATE: 1999-04-21  
;; PRIOR APPLICATION NUMBER: 60/131022  
;; PRIOR FILING DATE: 1999-04-26  
;; PRIOR APPLICATION NUMBER: 60/131270  
;; PRIOR FILING DATE: 1999-04-27  
;; PRIOR APPLICATION NUMBER: 60/131291  
;; PRIOR FILING DATE: 1999-04-27  
;; PRIOR APPLICATION NUMBER: 60/131445  
;; PRIOR FILING DATE: 1999-04-28  
;; PRIOR APPLICATION NUMBER: 60/134287  
;; PRIOR FILING DATE: 1999-05-14  
;; PRIOR APPLICATION NUMBER: 60/140650  
;; PRIOR FILING DATE: 1999-06-22  
;; PRIOR APPLICATION NUMBER: 60/140723  
;; PRIOR FILING DATE: 1999-06-22  
;; PRIOR APPLICATION NUMBER: 60/141037  
;; PRIOR FILING DATE: 1999-06-23  
;; PRIOR APPLICATION NUMBER: 60/144758  
;; PRIOR FILING DATE: 1999-07-20  
;; PRIOR APPLICATION NUMBER: 60/145698  
;; PRIOR FILING DATE: 1999-07-26  
;; PRIOR APPLICATION NUMBER: 60/146222  
;; PRIOR FILING DATE: 1999-07-28  
;; PRIOR APPLICATION NUMBER: 60/146963  
;; PRIOR FILING DATE: 1999-08-03  
;; PRIOR APPLICATION NUMBER: 60/149320  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/149638  
;; PRIOR FILING DATE: 1999-08-17  
;; PRIOR APPLICATION NUMBER: 60/151733  
;; PRIOR FILING DATE: 1999-08-31  
;; PRIOR APPLICATION NUMBER: 60/164418  
;; PRIOR FILING DATE: 1999-11-09  
;; PRIOR APPLICATION NUMBER: 60/166361  
;; PRIOR FILING DATE: 1999-11-16  
;; PRIOR APPLICATION NUMBER: 60/169445  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169495  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 458  
US-10-219-468-108  
; Sequence 108, Application US/10219468  
; Publication No. US20030092888A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC34

;; CURRENT APPLICATION NUMBER: US/10/219,468  
;; CURRENT FILING DATE: 2002-08-13  
;; PRIOR APPLICATION NUMBER: 10/119,480  
;; PRIOR FILING DATE: 2002-04-09  
;; PRIOR APPLICATION NUMBER: 60/059113  
;; PRIOR FILING DATE: 1997-09-17  
;; PRIOR APPLICATION NUMBER: 60/062287  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063549  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/064103  
;; PRIOR FILING DATE: 1997-10-31  
;; PRIOR APPLICATION NUMBER: 60/069873  
;; PRIOR FILING DATE: 1997-12-17  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/079294  
;; PRIOR FILING DATE: 1998-03-25  
;; PRIOR APPLICATION NUMBER: 60/079656  
;; PRIOR FILING DATE: 1998-03-26  
;; PRIOR APPLICATION NUMBER: 60/079728  
;; PRIOR FILING DATE: 1998-03-27  
;; Remaining prior application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 246  
;; SEQ ID NO 108  
;; LENGTH: 135  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-219-468-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
Db 28 EEVVPGGGRSK 38

RESULT 459  
US-10-219-478-108  
; Sequence 108, Application US/10219478  
; Publication No. US20030092889A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC30  
; CURRENT APPLICATION NUMBER: US/10/219,478  
; CURRENT FILING DATE: 2002-08-13  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-478-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 460  
US-10-219-536-108  
; Sequence 108, Application US/10219536  
; Publication No. US20030092890A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P35301C67  
; CURRENT APPLICATION NUMBER: US/10/219,536  
; CURRENT FILING DATE: 2002-08-14  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-536-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 461  
US-10-174-575A-444  
; Sequence 444, Application US/10174575A  
; Publication No. US20030096351A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C35  
; CURRENT APPLICATION NUMBER: US/10/174,575A  
; CURRENT FILING DATE: 2002-06-18  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-174-575A-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 462  
US-10-179-520-444  
; Sequence 444, Application US/10179520  
; Publication No. US20030096353A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C141  
; CURRENT APPLICATION NUMBER: US/10/179,520  
; CURRENT FILING DATE: 2002-06-24  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-520-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 28 EEVVPGGGRSK 38

RESULT 463  
US-10-325-444  
; Sequence 444, Application US/10201325  
; Publication No. US20030096357A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C436  
; CURRENT APPLICATION NUMBER: US/10/201,325  
; CURRENT FILING DATE: 2002-07-22  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-179-520-444

; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-325-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 28 EEVVPGGGRSK 38

RESULT 464  
US-10-202-941-444  
; Sequence 444, Application US/10202941  
; Publication No. US20030096358A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C484  
; CURRENT APPLICATION NUMBER: US/10/202,941  
; CURRENT FILING DATE: 2002-07-24  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 444  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-202-941-444

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|||||  
Db 28 EEVVPGGGRSK 38

RESULT 466

Sequence 108, Application US/10219072

Publication No. US20030096959A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Desnoyers, Luc

APPLICANT: Gerritsen, Mary

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Smith, Victoria

```

1  APPLICANT: Baker, Kevin P.
2  APPLICANT: Desnoyers, Luc
3  APPLICANT: Gerritsen, Mary
4  APPLICANT: Goddard, Audrey
5  APPLICANT: Godowski, Paul J.
6  APPLICANT: Grimaldi, J. Christopher
7  APPLICANT: Gurney, Justin L.
8  APPLICANT: Smith, Victoria
9  APPLICANT: Stephan, Jean-Philippe F.
10 APPLICANT: Watanabe, Colin L.
11 APPLICANT: Wood, William I.
12
13 TITLE OF INVENTION: SECRETED AND TRAN
14
15 TITLE OF INVENTION: ACIDS ENCODING T
16
17 FILE REFERENCE: P330P1C59
18
19 CURRENT APPLICATION NUMBER: US/10/219
20
21 CURRENT FILING DATE: 2002-08-14
22
23 PRIOR APPLICATION NUMBER: 10/119,480
24
25 PRIOR FILING DATE: 2002-04-09
26
27 PRIOR APPLICATION NUMBER: 60/059113
28
29 PRIOR FILING DATE: 1997-09-17
30
31 PRIOR APPLICATION NUMBER: 60/062287
32
33 PRIOR FILING DATE: 1997-10-17
34
35 PRIOR APPLICATION NUMBER: 60/063549

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; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-470-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 468  
US-10-219-474-108  
; Sequence 108, Application US/10219474  
; Publication No. US20030096961A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC36  
; CURRENT APPLICATION NUMBER: US/10/219,474  
; PRIOR FILING DATE: 2002-08-13  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246

; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-474-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38

RESULT 469  
US-10-219-524-108  
; Sequence 108, Application US/10219524  
; Publication No. US20030096962A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC37  
; CURRENT APPLICATION NUMBER: US/10/219,524  
; PRIOR FILING DATE: 2002-08-13  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-219-524-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVPGGGRSK 38

## RESULT 470

US-10-219-528-108  
; Sequence 108, Application US/10219528  
; Publication No. US20030096963A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin L.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530PIC68  
; CURRENT APPLICATION NUMBER: US/10/219,528  
; PRIOR FILING DATE: 2002-08-14  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-03-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/081819  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/081955  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082804  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/084441  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: 60/085323  
; PRIOR FILING DATE: 1998-05-13  
; PRIOR APPLICATION NUMBER: 60/085579  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086392  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/089532  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089538  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/089905  
; PRIOR FILING DATE: 1998-06-18  
; PRIOR APPLICATION NUMBER: 60/090472  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090557  
; PRIOR FILING DATE: 1998-06-24  
; PRIOR APPLICATION NUMBER: 60/090691  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/090695  
; PRIOR FILING DATE: 1998-06-25  
; PRIOR APPLICATION NUMBER: 60/091982  
; PRIOR FILING DATE: 1998-07-07  
; PRIOR APPLICATION NUMBER: 60/095302  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095318  
; PRIOR FILING DATE: 1998-08-04  
; PRIOR APPLICATION NUMBER: 60/095916  
; PRIOR FILING DATE: 1998-08-10  
; PRIOR APPLICATION NUMBER: 60/096146  
; PRIOR FILING DATE: 1998-08-11  
; PRIOR APPLICATION NUMBER: 60/096791  
; PRIOR FILING DATE: 1998-08-17  
; PRIOR APPLICATION NUMBER: 60/097986  
; PRIOR FILING DATE: 1998-08-26  
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; PRIOR FILING DATE: 1998-08-31  
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; PRIOR FILING DATE: 1998-09-10  
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; PRIOR FILING DATE: 1998-09-10  
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; PRIOR FILING DATE: 1998-09-10  
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; PRIOR APPLICATION NUMBER: 60/100385  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100390  
; PRIOR FILING DATE: 1998-09-15  
; PRIOR APPLICATION NUMBER: 60/100627  
; PRIOR FILING DATE: 1998-09-16  
; PRIOR APPLICATION NUMBER: 60/100848  
; PRIOR FILING DATE: 1998-09-18  
; PRIOR APPLICATION NUMBER: 60/100919  
; PRIOR FILING DATE: 1998-09-17  
; PRIOR APPLICATION NUMBER: 60/101477  
; PRIOR FILING DATE: 1998-09-23  
; PRIOR APPLICATION NUMBER: 60/101738  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101741  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101786  
; PRIOR FILING DATE: 1998-09-25  
; PRIOR APPLICATION NUMBER: 60/101916  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/101922  
; PRIOR FILING DATE: 1998-09-24  
; PRIOR APPLICATION NUMBER: 60/106178  
; PRIOR FILING DATE: 1998-10-28  
; PRIOR APPLICATION NUMBER: 60/106248  
; PRIOR FILING DATE: 1998-10-29  
; PRIOR APPLICATION NUMBER: 60/106464  
; PRIOR FILING DATE: 1998-10-30  
; PRIOR APPLICATION NUMBER: 60/106905  
; PRIOR FILING DATE: 1998-11-03  
; PRIOR APPLICATION NUMBER: 60/108787  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108801  
; PRIOR FILING DATE: 1998-11-17  
; PRIOR APPLICATION NUMBER: 60/108849  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 60/112422  
; PRIOR FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 60/113296  
; PRIOR FILING DATE: 1998-12-22  
; PRIOR APPLICATION NUMBER: 60/113605  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/113621  
; PRIOR FILING DATE: 1998-12-23  
; PRIOR APPLICATION NUMBER: 60/115558  
; PRIOR FILING DATE: 1999-01-12  
; PRIOR APPLICATION NUMBER: 60/115565

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; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
; PRIOR APPLICATION NUMBER: 60/127887
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/130232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/144758
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/145698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: 60/146222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: 60/146963
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/149320
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/149638
; PRIOR FILING DATE: 1999-08-17
; PRIOR APPLICATION NUMBER: 60/151733
; PRIOR FILING DATE: 1999-08-31
; PRIOR APPLICATION NUMBER: 60/164418
; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

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Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

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Oy 1 EEVVPXXXXX 11
    |||||:|:|:|:
Db 28 EEVPGGGRSK 38

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RESULT 471

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US-10-227-880-108
; Sequence 108, Application us/10227880
; Publication No. US20030096964A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc

```

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; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C74
; CURRENT APPLICATION NUMBER: US/10/227,880
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089905
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090695
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/096146
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: 60/096791

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;	PRIOR APPLICATION NUMBER:	60/1252519
;	PRIOR FILING DATE:	1999-03-19
;	PRIOR APPLICATION NUMBER:	60/125775
;	PRIOR FILING DATE:	1999-03-23
;	PRIOR APPLICATION NUMBER:	60/126773
;	PRIOR FILING DATE:	1999-03-29
;	PRIOR APPLICATION NUMBER:	60/127887
;	PRIOR FILING DATE:	1999-04-05
;	PRIOR APPLICATION NUMBER:	60/130232
;	PRIOR FILING DATE:	1999-04-21
;	PRIOR APPLICATION NUMBER:	60/131022
;	PRIOR FILING DATE:	1999-04-26
;	PRIOR APPLICATION NUMBER:	60/131270
;	PRIOR FILING DATE:	1999-04-27
;	PRIOR APPLICATION NUMBER:	60/131291
;	PRIOR FILING DATE:	1999-04-27
;	PRIOR APPLICATION NUMBER:	60/131445
;	PRIOR FILING DATE:	1999-04-28
;	PRIOR APPLICATION NUMBER:	60/134287
;	PRIOR FILING DATE:	1999-05-14
;	PRIOR APPLICATION NUMBER:	60/140650
;	PRIOR FILING DATE:	1999-06-22
;	PRIOR APPLICATION NUMBER:	60/140723
;	PRIOR FILING DATE:	1999-06-22
;	PRIOR APPLICATION NUMBER:	60/141037
;	PRIOR FILING DATE:	1999-06-23
;	PRIOR APPLICATION NUMBER:	60/144758
;	PRIOR FILING DATE:	1999-07-20
;	PRIOR APPLICATION NUMBER:	60/145698
;	PRIOR FILING DATE:	1999-07-26
;	PRIOR APPLICATION NUMBER:	60/146222
;	PRIOR FILING DATE:	1999-07-28
;	PRIOR APPLICATION NUMBER:	60/146963
;	PRIOR FILING DATE:	1999-08-03
;	PRIOR APPLICATION NUMBER:	60/149320
;	PRIOR FILING DATE:	1999-08-17
;	PRIOR APPLICATION NUMBER:	60/149638
;	PRIOR FILING DATE:	1999-08-17
;	PRIOR APPLICATION NUMBER:	60/151733
;	PRIOR FILING DATE:	1999-08-31
;	PRIOR APPLICATION NUMBER:	60/164418
;	PRIOR FILING DATE:	1999-11-09
;	PRIOR APPLICATION NUMBER:	60/166361
;	PRIOR FILING DATE:	1999-11-16
;	PRIOR APPLICATION NUMBER:	60/169445
;	PRIOR FILING DATE:	1999-12-07
;	PRIOR APPLICATION NUMBER:	60/169495
;	PRIOR FILING DATE:	1999-12-07
;	PRIOR APPLICATION NUMBER:	60/169835

Best local similarity	45.56	Freq. NO: 2.5e+02;
Matches	5; Conservative	6; Mismatches 0; Indels 0; Gaps 0;

RESULT 472

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US-10-227-881-108
; Sequence 108, Application US/10227881
; Publication No. US2003009695A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F

```

APPLICANT: Watanabe, Colin L.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3530PIC80  
CURRENT APPLICATION NUMBER: US/10/227,881  
CURRENT FILING DATE: 2002-08-26  
PRIOR APPLICATION NUMBER: 10/119,480  
PRIOR FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/062287  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063549  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/069873  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/078910  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079294  
PRIOR FILING DATE: 1998-03-25  
PRIOR APPLICATION NUMBER: 60/079656  
PRIOR FILING DATE: 1998-03-26  
PRIOR APPLICATION NUMBER: 60/079728  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/081819  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/081955  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082804  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/084441  
PRIOR FILING DATE: 1998-05-06  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
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PRIOR APPLICATION NUMBER: 60/086392  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/089532  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089905  
PRIOR FILING DATE: 1998-06-18  
PRIOR APPLICATION NUMBER: 60/090472  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090557  
PRIOR FILING DATE: 1998-06-24  
PRIOR APPLICATION NUMBER: 60/090691  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/090695  
PRIOR FILING DATE: 1998-06-25  
PRIOR APPLICATION NUMBER: 60/091982  
PRIOR FILING DATE: 1998-07-07  
PRIOR APPLICATION NUMBER: 60/095302  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095318  
PRIOR FILING DATE: 1998-08-04  
PRIOR APPLICATION NUMBER: 60/095916  
PRIOR FILING DATE: 1998-08-10  
PRIOR APPLICATION NUMBER: 60/096146  
PRIOR FILING DATE: 1998-08-11  
PRIOR APPLICATION NUMBER: 60/096791  
PRIOR FILING DATE: 1998-08-17  
PRIOR APPLICATION NUMBER: 60/097986  
PRIOR FILING DATE: 1998-08-26  
PRIOR APPLICATION NUMBER: 60/098544  
PRIOR FILING DATE: 1998-08-31  
PRIOR APPLICATION NUMBER: 60/099596  
PRIOR FILING DATE: 1998-09-09

PRIOR APPLICATION NUMBER: 60/099598  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099803  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099811  
PRIOR FILING DATE: 1998-09-10  
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PRIOR APPLICATION NUMBER: 60/099816  
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PRIOR FILING DATE: 1998-09-24  
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PRIOR FILING DATE: 1998-10-28  
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PRIOR FILING DATE: 1998-10-29  
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PRIOR FILING DATE: 1998-10-30  
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PRIOR FILING DATE: 1998-11-03  
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PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108801  
PRIOR FILING DATE: 1998-11-17  
PRIOR APPLICATION NUMBER: 60/108849  
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PRIOR APPLICATION NUMBER: 60/112422  
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PRIOR FILING DATE: 1998-12-22  
PRIOR APPLICATION NUMBER: 60/113605  
PRIOR FILING DATE: 1998-12-23  
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PRIOR APPLICATION NUMBER: 60/115558  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115565  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/115733  
PRIOR FILING DATE: 1999-01-12  
PRIOR APPLICATION NUMBER: 60/119549  
PRIOR FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 60/123618  
PRIOR FILING DATE: 1999-03-10  
PRIOR APPLICATION NUMBER: 60/125259  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 60/125775  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: 60/126773  
PRIOR FILING DATE: 1999-03-29  
PRIOR APPLICATION NUMBER: 60/127887

;; PRIOR FILING DATE: 1999-04-05  
;; PRIOR APPLICATION NUMBER: 60/130232  
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;; PRIOR APPLICATION NUMBER: 60/131022  
;; PRIOR FILING DATE: 1999-04-26  
;; PRIOR APPLICATION NUMBER: 60/131270  
;; PRIOR FILING DATE: 1999-04-27  
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;; PRIOR FILING DATE: 1999-04-27  
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;; PRIOR FILING DATE: 1999-07-28  
;; PRIOR APPLICATION NUMBER: 60/146963  
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;; PRIOR APPLICATION NUMBER: 60/149320  
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;; PRIOR APPLICATION NUMBER: 60/149638  
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;; PRIOR APPLICATION NUMBER: 60/151733  
;; PRIOR FILING DATE: 1999-08-31  
;; PRIOR APPLICATION NUMBER: 60/164418  
;; PRIOR FILING DATE: 1999-11-09  
;; PRIOR APPLICATION NUMBER: 60/166361  
;; PRIOR FILING DATE: 1999-11-16  
;; PRIOR APPLICATION NUMBER: 60/169445  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169495  
;; PRIOR FILING DATE: 1999-12-07  
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;

Best Local Similarity 45.5%; Pred No. 2.5e+02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11

|||||:|:|:|

Db 28 EEVVPVGGGRSK 38

RESULT 473

US-10-227-882-108

; Sequence 108, Application US/10227882

; Publication No. US20030096966A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Desnoyers, Luc

; APPLICANT: Gerritsen, Mary

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Smith, Victoria

; APPLICANT: Stephan, Jean-Philippe F.

; APPLICANT: Watanabe, Colin L.

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3530P1C81

; CURRENT APPLICATION NUMBER: US/10/227.882

; CURRENT FILING DATE: 2002-08-26

;; PRIOR APPLICATION NUMBER: 10/119,480  
;; PRIOR FILING DATE: 2002-04-09  
;; PRIOR APPLICATION NUMBER: 60/059113  
;; PRIOR FILING DATE: 1997-09-17  
;; PRIOR APPLICATION NUMBER: 60/062287  
;; PRIOR FILING DATE: 1997-10-17  
;; PRIOR APPLICATION NUMBER: 60/063549  
;; PRIOR FILING DATE: 1997-10-28  
;; PRIOR APPLICATION NUMBER: 60/064103  
;; PRIOR FILING DATE: 1997-10-31  
;; PRIOR APPLICATION NUMBER: 60/069873  
;; PRIOR FILING DATE: 1997-12-17  
;; PRIOR APPLICATION NUMBER: 60/078910  
;; PRIOR FILING DATE: 1998-03-20  
;; PRIOR APPLICATION NUMBER: 60/079294  
;; PRIOR FILING DATE: 1998-03-25  
;; PRIOR APPLICATION NUMBER: 60/079656  
;; PRIOR FILING DATE: 1998-03-26  
;; PRIOR APPLICATION NUMBER: 60/079728  
;; PRIOR FILING DATE: 1998-03-27  
;; PRIOR APPLICATION NUMBER: 60/081819  
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;; PRIOR APPLICATION NUMBER: 60/082804  
;; PRIOR FILING DATE: 1998-04-22  
;; PRIOR APPLICATION NUMBER: 60/084441  
;; PRIOR FILING DATE: 1998-05-06  
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;; PRIOR FILING DATE: 1998-08-04  
;; PRIOR APPLICATION NUMBER: 60/095318  
;; PRIOR FILING DATE: 1998-08-04  
;; PRIOR APPLICATION NUMBER: 60/095916  
;; PRIOR FILING DATE: 1998-08-10  
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;; PRIOR FILING DATE: 1998-08-11  
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;; PRIOR APPLICATION NUMBER: 60/099803  
;; PRIOR FILING DATE: 1998-09-10  
;; PRIOR APPLICATION NUMBER: 60/099811  
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; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/099816  
; PRIOR FILING DATE: 1998-09-10  
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; PRIOR FILING DATE: 1999-04-27

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; PRIOR APPLICATION NUMBER: 60/131291  
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; PRIOR FILING DATE: 1999-07-26  
; PRIOR APPLICATION NUMBER: 60/146222  
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; PRIOR APPLICATION NUMBER: 60/146963  
; PRIOR FILING DATE: 1999-08-03  
; PRIOR APPLICATION NUMBER: 60/149320  
; PRIOR FILING DATE: 1999-08-17  
; PRIOR APPLICATION NUMBER: 60/149638  
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; PRIOR FILING DATE: 1999-08-31  
; PRIOR APPLICATION NUMBER: 60/164418  
; PRIOR FILING DATE: 1999-11-09  
; PRIOR APPLICATION NUMBER: 60/166361  
; PRIOR FILING DATE: 1999-11-16  
; PRIOR APPLICATION NUMBER: 60/169445  
; PRIOR FILING DATE: 1999-12-07  
; PRIOR APPLICATION NUMBER: 60/169495  
; PRIOR FILING DATE: 1999-12-07  
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
| | | | | : : : : :  
Db 28 EEVVPGGGRSK 38

RESULT 474

US-10-230-436-108  
; Sequence 108, Application US/10230436  
; Publication No. US20030096967A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Wood, William I.  
; APPLICANT: Watanabe, Colin L.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C97  
; CURRENT APPLICATION NUMBER: US/10/230.436  
; CURRENT FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/062287  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063549

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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-230-436-108
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Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
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QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
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RESULT 475
US-10-232-223-108
; Sequence 108, Application US/10232223
; Publication No. US20030096968A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C102
; CURRENT APPLICATION NUMBER: US/10/232,223
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
```

```
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-223-108
```

```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```

```
RESULT 476
US-10-232-225-108
; Sequence 108, Application US/10232225
; Publication No. US20030096969A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C107
; CURRENT APPLICATION NUMBER: US/10/232,225
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-225-108
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```
Query Match      100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e+02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 EEVVPXXXXXX 11
        |||||:
Db      28 EEVVPGGGRSK 38
```



```
RESULT 477
US-10-232-227-108
; Sequence 108, Application US/10232227
; Publication No. US20030096970A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC109
; CURRENT APPLICATION NUMBER: US/10/232,227
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-227-108

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 478
US-10-232-229-108
; Sequence 108, Application US/10232229
; Publication No. US20030096971A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC106
; CURRENT APPLICATION NUMBER: US/10/232,234
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
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; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC105
; CURRENT APPLICATION NUMBER: US/10/232,229
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 108
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-232-229-108

Query Match 100.0%; Score 31; DB 9; Length 135;
Best Local Similarity 45.5%; Pred. No. 2.5e-02;
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11
Db 28 EEVVPGGGRSK 38

RESULT 479
US-10-232-234-108
; Sequence 108, Application US/10232234
; Publication No. US20030096972A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530PIC106
; CURRENT APPLICATION NUMBER: US/10/232,234
; CURRENT FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
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; PRIOR APPLICATION NUMBER: 60/064103
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; PRIOR FILING DATE: 1997-10-31  
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; PRIOR FILING DATE: 1997-12-17  
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; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
; PRIOR FILING DATE: 1998-03-26  
; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-232-234-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 480

US-10-233-205-108  
; Sequence 108, Application US/10233205  
; Publication No. US20030096362A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Gerritsen, Mary  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stephan, Jean-Philippe F.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3530P1C115  
; CURRENT APPLICATION NUMBER: US/10/233,205  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: 10/119,480  
; PRIOR FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: 60/059113  
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; PRIOR APPLICATION NUMBER: 60/062287  
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; PRIOR APPLICATION NUMBER: 60/063549  
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; PRIOR APPLICATION NUMBER: 60/064103  
; PRIOR FILING DATE: 1997-10-31  
; PRIOR APPLICATION NUMBER: 60/069873  
; PRIOR FILING DATE: 1997-12-17  
; PRIOR APPLICATION NUMBER: 60/078910  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079294  
; PRIOR FILING DATE: 1998-03-25  
; PRIOR APPLICATION NUMBER: 60/079656  
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; PRIOR APPLICATION NUMBER: 60/079728  
; PRIOR FILING DATE: 1998-03-27  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 246  
; SEQ ID NO 108  
; LENGTH: 135

; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-233-205-108

Query Match 100.0%; Score 31; DB 9; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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Db 28 EEVVPGGGRSK 38

## RESULT 481

US-09-989-722-359  
; Sequence 359, Application US/09989722  
; Patent No. US20020072067A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730PIC63  
; CURRENT APPLICATION NUMBER: US/09/989, 722  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/065186  
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; PRIOR APPLICATION NUMBER: 60/065311  
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; PRIOR FILING DATE: 1998-04-28  
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; PRIOR FILING DATE: 1998-06-02

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6	PRIOR FILING DATE: 1998-06-04
7	PRIOR APPLICATION NUMBER: 60/088026
8	PRIOR FILING DATE: 1998-06-04
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73	PRIOR APPLICATION NUMBER: 60/089947

;	PRIOR FILING DATE:	1998-06-19
;	PRIOR APPLICATION NUMBER:	60/089948
;	PRIOR FILING DATE:	1998-06-19
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;	PRIOR APPLICATION NUMBER:	60/090676
;	PRIOR FILING DATE:	1998-06-25
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;	PRIOR FILING DATE:	1998-07-02
;	PRIOR APPLICATION NUMBER:	60/091978
;	PRIOR FILING DATE:	1998-07-07
;	PRIOR APPLICATION NUMBER:	60/091982
;	PRIOR FILING DATE:	1998-07-07
;	PRIOR APPLICATION NUMBER:	60/092182
;	PRIOR FILING DATE:	1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels

Qy 1 BEVVPXXXXX 11  
|||||:|:|:|:  
Db 28 BEVVPGGGRSK 38

## RESULT 482

US-09-989-723-359  
; Sequence 359, Application US/09989723  
; Patent No. US20020072092A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE REFERENCE: P2730P1C62  
; CURRENT APPLICATION NUMBER: US/09/989,723  
; CURRENT FILING DATE: 2001-11-19  
; PRIOR APPLICATION NUMBER: 60/049787  
; PRIOR FILING DATE: 1997-06-16  
; PRIOR APPLICATION NUMBER: 60/062250  
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Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
Db 28 EEVVPGGGRSK 38  
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US-09-989-727-359  
; Sequence 359, Application US/09989727  
; Patent No. US20020072497A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Fertara, Napoleone  
APPLICANT: Fong, Sherman  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, J. Christopher  
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APPLICANT: Kljavin, Ivar J.  
APPLICANT: Napier, Mary A.  
APPLICANT: Pan, James  
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APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC65  
CURRENT APPLICATION NUMBER: US/09/989,727  
CURRENT FILING DATE: 2001-11-19  
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Qy 1 EEVVPXXXXX 11  
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 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
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 ; APPLICANT: Zhang, Zemin  
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Query Match 100.0%; Score 31; DB 10; Length 135;  
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 Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
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RESULT 486  
 US-09-989-732-359  
 ; Sequence 359, Application US/09989732  
 ; Patent No. US20020123463A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
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 ; APPLICANT: Kljavin, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tomas, Daniel  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: P2730PIC57  
CURRENT APPLICATION NUMBER: US/09/989,732  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/049787  
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;; PRIOR FILING DATE: 1998-07-07  
;; PRIOR APPLICATION NUMBER: 60/092182  
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;

Best Local Similarity 45.5%; Pred. No. 2.5e-02;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11

Db 28 EEVVPVGGGRSK 38

#### RESULT 487

US-09-991-073-359  
Sequence 359, Application US/09991073

Patent No. US20020127576A1

#### GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.  
;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Botstein, David  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Eaton, Dan L.  
;; APPLICANT: Ferrara, Napoleone  
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;; APPLICANT: Geritsen, Mary E.  
;; APPLICANT: Goddard, Audrey  
;; APPLICANT: Godowski, Paul J.  
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;; APPLICANT: Watanabe, Colin K.  
;; APPLICANT: Williams, P. Mickey  
;; APPLICANT: Wood, William I.  
;; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
;; FILE REFERENCE: P2730P1C15  
;; CURRENT APPLICATION NUMBER: US/09/991.073  
;; CURRENT FILING DATE: 2001-11-14  
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Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11  
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Db 28 EEVVPVGGGRSK 38

## RESULT 488

US-09-990-442-359  
; Sequence 359, Application US/09990442  
; Patent No. US20020132252A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kljavin, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; FILE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730PIC8  
; CURRENT APPLICATION NUMBER: US/09/990,442  
; CURRENT FILING DATE: 2001-11-14  
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Query Match 100.0%; Score 31; DB 10; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e-02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPVXXXXX 11  
Db 28 EEVVPVGGGRSK 38  
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## RESULT 489

US-09-991-163-359  
; Sequence 359, Application US/09991163  
; Patent No. US20020132253A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
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; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C17  
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 31; DB 10; Length 135;  
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Db 28 EEVVPGGGRSK 38

RESULT 490

US-09-993-604-359  
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; Patent No. US20020137075A1  
; GENERAL INFORMATION:  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
; APPLICANT: Fong, Sherman  
; APPLICANT: Gerber, Hanspeter  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, J. Christopher  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Kijavio, Ivar J.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Pan, James  
; APPLICANT: Paoni, Nicholas F.  
; APPLICANT: Roy, Margaret Ann  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
; TITLE OF INVENTION: Acids Encoding the Same  
; FILE REFERENCE: P2730P1C25  
; CURRENT APPLICATION NUMBER: US/09/993,604  
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; CURRENT APPLICATION NUMBER: 60/049787  
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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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## RESULT 492

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; APPLICANT: Desnoyers, Luc  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Ferrara, Napoleone  
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; APPLICANT: Goddard, Audrey  
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; APPLICANT: Williams, P. Mickey  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
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## RESULT 493

US-10-052-586-444

; Sequence 444, Application US/10052586

; Patent No. US20020127584A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430RIC1

; CURRENT APPLICATION NUMBER: US/10/052,586

; CURRENT FILING DATE: 2002-01-15

; PRIOR APPLICATION NUMBER: 60/059263

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/059266

; PRIOR FILING DATE: 1997-09-18

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/063120

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063121

; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486

; PRIOR FILING DATE: 1997-10-21

; PRIOR APPLICATION NUMBER: 60/063540

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063541

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063544

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063564

; PRIOR FILING DATE: 1997-10-28

; PRIOR APPLICATION NUMBER: 60/063734

; PRIOR FILING DATE: 1997-10-29

; PRIOR APPLICATION NUMBER: 60/063870

; PRIOR FILING DATE: 1997-10-31

; PRIOR APPLICATION NUMBER: 60/064103

; PRIOR FILING DATE: 1997-10-31

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066120

; PRIOR FILING DATE: 1997-11-21

; PRIOR APPLICATION NUMBER: 60/066466

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/066772

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/069335

; PRIOR FILING DATE: 1997-12-11

; PRIOR APPLICATION NUMBER: 60/069425

; PRIOR FILING DATE: 1997-12-12

; PRIOR APPLICATION NUMBER: 60/069870

; PRIOR FILING DATE: 1997-12-17

; PRIOR APPLICATION NUMBER: 60/068017

; PRIOR FILING DATE: 1997-12-18

; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10

; PRIOR APPLICATION NUMBER: 60/077632

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/077649

; PRIOR FILING DATE: 1998-03-11

; PRIOR APPLICATION NUMBER: 60/078886

; PRIOR FILING DATE: 1998-03-20

; PRIOR APPLICATION NUMBER: 60/078939  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/079664  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/079786  
; PRIOR FILING DATE: 1998-03-27  
; PRIOR APPLICATION NUMBER: 60/080107  
; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/080194  
; PRIOR FILING DATE: 1998-03-31  
; PRIOR APPLICATION NUMBER: 60/080327  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/080333  
; PRIOR FILING DATE: 1998-04-01  
; PRIOR APPLICATION NUMBER: 60/081049  
; PRIOR FILING DATE: 1998-04-08  
; PRIOR APPLICATION NUMBER: 60/081070  
; PRIOR FILING DATE: 1998-04-08  
; PRIOR APPLICATION NUMBER: 60/081195  
; PRIOR FILING DATE: 1998-04-09  
; PRIOR APPLICATION NUMBER: 60/081838  
; PRIOR FILING DATE: 1998-04-15  
; PRIOR APPLICATION NUMBER: 60/082568  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 60/082569  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 60/082704  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/082797  
; PRIOR FILING DATE: 1998-04-22  
; PRIOR APPLICATION NUMBER: 60/083322  
; PRIOR FILING DATE: 1998-04-28  
; PRIOR APPLICATION NUMBER: 60/083495  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083496  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083499  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/083559  
; PRIOR FILING DATE: 1998-04-29  
; PRIOR APPLICATION NUMBER: 60/084366  
; PRIOR FILING DATE: 1998-05-05  
; PRIOR APPLICATION NUMBER: 60/084414  
; PRIOR FILING DATE: 1998-05-06  
; PRIOR APPLICATION NUMBER: 60/084639  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/084640  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/084643  
; PRIOR FILING DATE: 1998-05-07  
; PRIOR APPLICATION NUMBER: 60/085573  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085579  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085580  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085582  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/085700  
; PRIOR FILING DATE: 1998-05-15  
; PRIOR APPLICATION NUMBER: 60/086023  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/086392  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/086486  
; PRIOR FILING DATE: 1998-05-22  
; PRIOR APPLICATION NUMBER: 60/087098  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087208  
; PRIOR FILING DATE: 1998-05-28  
; PRIOR APPLICATION NUMBER: 60/087609  
; PRIOR FILING DATE: 1998-06-02  
; PRIOR APPLICATION NUMBER: 60/087759

;; PRIOR FILING DATE: 1998-06-02  
;; PRIOR APPLICATION NUMBER: 60/087827  
;; PRIOR FILING DATE: 1998-06-03  
;; PRIOR APPLICATION NUMBER: 60/088025  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088028  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088029  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088033  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088167  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088202  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088212  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088217  
;; PRIOR FILING DATE: 1998-06-05  
;; PRIOR APPLICATION NUMBER: 60/088326  
;; PRIOR FILING DATE: 1998-06-04  
;; PRIOR APPLICATION NUMBER: 60/088655  
;; PRIOR FILING DATE: 1998-06-09  
;; PRIOR APPLICATION NUMBER: 60/088722  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088738  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088740  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088811  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088824  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088825  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088826  
;; PRIOR FILING DATE: 1998-06-10  
;; PRIOR APPLICATION NUMBER: 60/088861  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/088863  
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;; PRIOR APPLICATION NUMBER: 60/088876  
;; PRIOR FILING DATE: 1998-06-11  
;; PRIOR APPLICATION NUMBER: 60/089090  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089105  
;; PRIOR FILING DATE: 1998-06-12  
;; PRIOR APPLICATION NUMBER: 60/089512  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089514  
;; PRIOR FILING DATE: 1998-06-16  
;; PRIOR APPLICATION NUMBER: 60/089538  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089598  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089653  
;; PRIOR FILING DATE: 1998-06-17  
;; PRIOR APPLICATION NUMBER: 60/089908

Query Match 100.0%; Score 31; DB 12; Length 135;  
Best Local Similarity 45.5%; Pred. No. 2.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
DB 28 EEVPPGGGRSK 38  
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RESULT 494  
US-09-864-761-33694  
; Sequence 33694, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:

;; APPLICANT: Penn, Sharron G.  
;; APPLICANT: Rank, David R.  
;; APPLICANT: Hanzel, David K.  
;; APPLICANT: Chen, Wensheng  
;; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL  
;; FILE REFERENCE: Aeomica-X-1  
;; CURRENT APPLICATION NUMBER: US/09/864,761  
;; CURRENT FILING DATE: 2001-05-23  
;; PRIOR APPLICATION NUMBER: US 60/180,312  
;; PRIOR FILING DATE: 2000-02-04  
;; PRIOR APPLICATION NUMBER: US 60/207,456  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: US 09/632,366  
;; PRIOR FILING DATE: 2000-08-03  
;; PRIOR APPLICATION NUMBER: GB 24263.6  
;; PRIOR FILING DATE: 2000-10-04  
;; PRIOR APPLICATION NUMBER: US 60/236,359  
;; PRIOR FILING DATE: 2000-09-27  
;; PRIOR APPLICATION NUMBER: PCT/US01/00666  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00667  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00664  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00669  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00665  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00668  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00663  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00662  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00661  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: PCT/US01/00670  
;; PRIOR FILING DATE: 2001-01-30  
;; PRIOR APPLICATION NUMBER: US 60/234,687  
;; PRIOR FILING DATE: 2000-09-21  
;; PRIOR APPLICATION NUMBER: US 09/608,408  
;; PRIOR FILING DATE: 2000-06-30  
;; PRIOR APPLICATION NUMBER: US 09/774,203  
;; PRIOR FILING DATE: 2001-01-29  
;; NUMBER OF SEQ ID NOS: 49117  
;; SOFTWARE: Annotax Sequence Listing Engine vers. 1.1  
;; SEQ ID NO 33694  
;; LENGTH: 178  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; OTHER INFORMATION: MAP TO AC007842.1  
;; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.6  
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.65  
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.65  
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9  
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.8  
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2  
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.84  
;; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.61  
;; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.9  
;; OTHER INFORMATION: EST HUMAN HIT: BE294466.1, EVALUATE 2.00e-11  
;; OTHER INFORMATION: SWISSPROT HIT: Q28983, EVALUATE 5.00e-20  
;; OTHER INFORMATION: EST\_HUMAN HIT: BF341070.1, EVALUATE 3.00e-20  
US-09-864-761-33694

Query Match 100.0%; Score 31; DB 10; Length 178;  
Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
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Db 90 EEVVPDSPCLP 100

## RESULT 495

US-09-864-761-46479  
; Sequence 46479, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; FILE OF INVENTION: Acomlca-x-1  
; FILE REFERENCE: Acomlca-x-1  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
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; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00671  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-01-29  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; NUMBER OF SEQ ID NOS: 49117  
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 46479  
; LENGTH: 178  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AC007842.1  
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.95  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.4  
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.71  
; OTHER INFORMATION: EXPRESSED IN B474, SIGNAL = 2.4  
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.59  
; OTHER INFORMATION: SWISSPROT HIT: Q28983, EVALUATE 1.00e-19  
; OTHER INFORMATION: EST\_HUMAN HIT: BF341070.1, EVALUATE 1.00e-11  
; OTHER INFORMATION: EST\_HUMAN HIT: BE294466.1, EVALUATE 1.00e-11  
US-09-864-761-46479

Query Match

100.0%; Score 31; DB 10; Length 178;

Best Local Similarity 45.5%; Pred. No. 3.5e+02;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
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Db 90 EEVVPDSPCLP 100

## RESULT 496

US-09-963-339-2  
; Sequence 2, Application US/09963339  
; Publication No. US20030049700A1  
; GENERAL INFORMATION:  
; APPLICANT: Bandaru, Rajasekhar  
; TITLE OF INVENTION: 22108 AND 47916, NOVEL HUMAN THIOREDOLIN  
; FILE OF INVENTION: FAMILY MEMBERS AND USES THEREOF  
; FILE REFERENCE: 10448-090001  
; CURRENT APPLICATION NUMBER: US/09/963,339  
; CURRENT FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: 60/235,049  
; PRIOR FILING DATE: 2000-09-25  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 454  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-963-339-2

Query Match 100.0%; Score 31; DB 9; Length 454;  
Best Local Similarity 45.5%; Pred. No. 1.1e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EEVVPXXXXX 11  
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Db 185 EEVPEYVTLK 195

## RESULT 497

US-09-801-368-398  
; Sequence 398, Application US/09801368  
; Patent No. US20020128250A1  
; GENERAL INFORMATION:  
; APPLICANT: Busby, Robert  
; APPLICANT: Cali, Brian  
; APPLICANT: Hecht, Peter  
; APPLICANT: Holtzman, Doug  
; APPLICANT: Madden, Kevin  
; APPLICANT: Maxon, Mary  
; APPLICANT: Milne, Todd  
; APPLICANT: No. US20020128250Alman, Thea  
; APPLICANT: Royer, John  
; APPLICANT: Salama, Sofie  
; APPLICANT: Sherman, Amir  
; APPLICANT: Silva, Jeff  
; APPLICANT: Summers, Eric  
; TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fung  
; FILE REFERENCE: 109272.147  
; CURRENT APPLICATION NUMBER: US/09/801,368  
; CURRENT FILING DATE: 2001-03-07  
; PRIOR APPLICATION NUMBER: US 09/487,558  
; PRIOR FILING DATE: 2000-01-19  
; PRIOR APPLICATION NUMBER: US 60/160,587  
; PRIOR FILING DATE: 1999-10-20  
; NUMBER OF SEQ ID NOS: 440  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 398  
; LENGTH: 486  
; TYPE: PRT  
; ORGANISM: Saccharomyces cerevisiae  
US-09-801-368-398

Query Match

100.0%; Score 31; DB 10; Length 486;

Best Local Similarity 45.5%; Pred. No. 1.2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11  
DB 393 EEVVPSTVTT 403

## RESULT 498

US-10-160-501-34  
; Sequence 34, Application US/10160501  
; Publication No. US20030059919A1  
; GENERAL INFORMATION:  
; APPLICANT: Meyers, Rachel E.  
; APPLICANT: Rudolph-Owen, Laura A.  
; APPLICANT: Kapeller-Libermann, Rosana  
; TITLE OF INVENTION: NOVEL HUMAN 39228, 21956, 25856, 22244, 8701, 32263,  
; TITLE OF INVENTION: 50250, 55158, 47765, 62088, 50566, AND 48118  
; TITLE OF INVENTION: MOLECULES AND USES THEREOF  
; FILE REFERENCE: MNI-250  
; CURRENT APPLICATION NUMBER: US/10/160,501  
; CURRENT FILING DATE: 2002-05-30  
; PRIOR APPLICATION NUMBER: US 09/838,573  
; PRIOR FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: US 60/197,747  
; PRIOR FILING DATE: 2000-04-18  
; PRIOR APPLICATION NUMBER: US 09/870,133  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,649  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/870,130  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,640  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/862,535  
; PRIOR FILING DATE: 2001-05-21  
; PRIOR APPLICATION NUMBER: US 60/205,961  
; PRIOR FILING DATE: 2000-05-19  
; PRIOR APPLICATION NUMBER: US 09/870,383  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,506  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/860,821  
; PRIOR FILING DATE: 2001-05-18  
; PRIOR APPLICATION NUMBER: US 60/205,449  
; PRIOR FILING DATE: 2000-05-19  
; PRIOR APPLICATION NUMBER: US 09/870,110  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: US 60/207,650  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/907,509  
; PRIOR FILING DATE: 2001-07-16  
; PRIOR APPLICATION NUMBER: US 60/218,385  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: US 09/945,327  
; PRIOR FILING DATE: 2001-08-31  
; PRIOR APPLICATION NUMBER: US 60/229,425  
; PRIOR FILING DATE: 2000-08-31  
; PRIOR APPLICATION NUMBER: US 60/318,581  
; PRIOR FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: FastSeq Version 4.0  
; SEQ ID NO 34  
; LENGTH: 604  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-10-160-501-34

Query Match 100.0%; Score 31; DB 9; Length 604;

Best Local Similarity 45.5%; Pred. No. 1.5e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 393 EEVVPSTVTT 403

## RESULT 499

US-09-907-509-2  
; Sequence 2, Application US/09907509  
; Patent No. US20020090705A1  
; GENERAL INFORMATION:  
; APPLICANT: Meyers, Rachel  
; TITLE OF INVENTION: 62088, A NOVEL HUMAN NUCLEOSIDE  
; TITLE OF INVENTION: PHOSPHATASE FAMILY MEMBER AND USES THEREOF  
; FILE REFERENCE: MNI-177  
; CURRENT APPLICATION NUMBER: US/09/907,509  
; CURRENT FILING DATE: 2001-07-16  
; PRIOR APPLICATION NUMBER: 60/218385  
; PRIOR FILING DATE: 2000-07-14  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 604  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-09-907-509-2

Query Match 100.0%; Score 31; DB 10; Length 604;

Best Local Similarity 45.5%; Pred. No. 1.5e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 592 EEVPMGMGVQV 602

## RESULT 500

US-09-820-843A-26  
; Sequence 26, Application US/09820843A  
; Publication No. US20030039963A1  
; GENERAL INFORMATION:  
; APPLICANT: Council of Scientific and Industrial Research  
; TITLE OF INVENTION: A COMPUTATIONAL METHOD FOR THE IDENTIFICATION OF CANDIDATE P

US-09-820-843A-26

Query Match 100.0%; Score 31; DB 9; Length 653;

Best Local Similarity 45.5%; Pred. No. 1.7e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 300 EEVPSGITAA 310

## RESULT 501

US-10-099-352-42  
; Sequence 42, Application US/10099352  
; Publication No. US20030082569A1  
; GENERAL INFORMATION:  
; APPLICANT: Johnson, Clayton H.

US-10-099-352-42

Query Match 100.0%; Score 31; DB 9; Length 653;

Best Local Similarity 45.5%; Pred. No. 1.7e+03;

Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXX 11

DB 300 EEVPSGITAA 310

; APPLICANT: York, J. Lyndal  
; APPLICANT: McEwen, Joan E.  
; TITLE OF INVENTION: Histoplasma Capsulation Catalase Sequences and Their Use in the I  
; FILE OF INVENTION: Of Histoplasma Capsulation and Histoplasmosis  
; FILE REFERENCE: 40715-255988  
; CURRENT APPLICATION NUMBER: US/10/099,352  
; CURRENT FILING DATE: 2002-03-13  
; PRIOR APPLICATION NUMBER: US 60/275,353  
; PRIOR FILING DATE: 2001-03-13  
; NUMBER OF SEQ ID NOS: 48  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 42  
; LENGTH: 730  
; TYPE: PRT  
; ORGANISM: Aspergillus niger  
US-10-099-352-42

Query Match 100.0%; Score 31; DB 9; Length 730;

Best Local Similarity 45.5%; Pred. No. 1.9e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 339 EEVVPYPLGM 349

## RESULT 502

US-09-925-301-1276  
; Sequence 1276, Application US/09925301  
; Patent No. US20020052308A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA106  
; CURRENT APPLICATION NUMBER: US/09/925,301  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05882  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1694  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1276  
; LENGTH: 766  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-925-301-1276

Query Match 100.0%; Score 31; DB 10; Length 766;

Best Local Similarity 45.5%; Pred. No. 2e+03;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 595 EEVVPNVIEPS 605

## RESULT 503

US-10-025-380-1116  
; Sequence 1116, Application US/10025380  
; Publication No. US20020182191A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, JIANGCHUN  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Jiang, Yuqiu  
; APPLICANT: Smith, Carole L.  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Aijun

; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Skeiky, Yasir A. W.  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Vedvick Thomas S.  
; APPLICANT: Carter, Darrick  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121.471C14  
; CURRENT APPLICATION NUMBER: US/10/025,380  
; CURRENT FILING DATE: 2001-12-19  
; NUMBER OF SEQ ID NOS: 1129  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1116  
; LENGTH: 5405  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-025-380-1116

Query Match 100.0%; Score 31; DB 9; Length 5405;

Best Local Similarity 45.5%; Pred. No. 2.1e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 1420 EEVVPDPCLP 1430

## RESULT 504

US-09-922-217-1116  
; Sequence 1116, Application US/09922217  
; Patent No. US20020076414A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, JIANGCHUN  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Secrist, Heather  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Meagher, Madeleine Joy  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Jiang, Yuqiu  
; APPLICANT: Smith, Carole Lynn  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Clapper, Jonathan D.  
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121.471C13  
; CURRENT APPLICATION NUMBER: US/09/922,217  
; CURRENT FILING DATE: 2001-08-03  
; NUMBER OF SEQ ID NOS: 1124  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1116  
; LENGTH: 5405  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-922-217-1116

Query Match 100.0%; Score 31; DB 10; Length 5405;

Best Local Similarity 45.5%; Pred. No. 2.1e+04;  
Matches 5; Conservative 6; Mismatches 0; Indels 0; Gaps 0;

QY 1 EEVVPXXXXXX 11  
|||||:|:|:|:  
Db 1420 EEVVPDPCLP 1430

Search completed: May 29, 2003, 17:00:04  
Job time : 27 secs